

FIG. 1

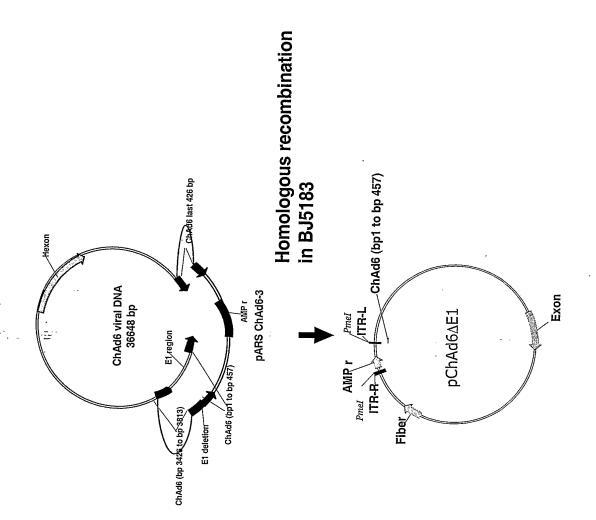


FIG. 2

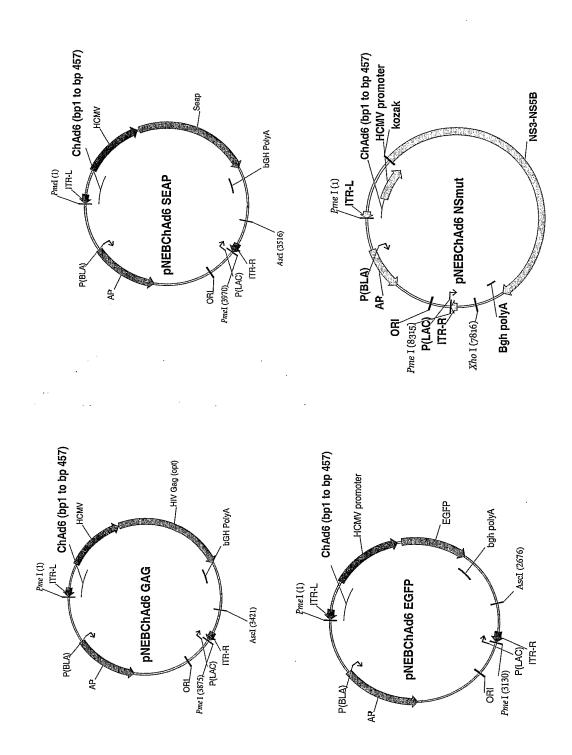


FIG. 3

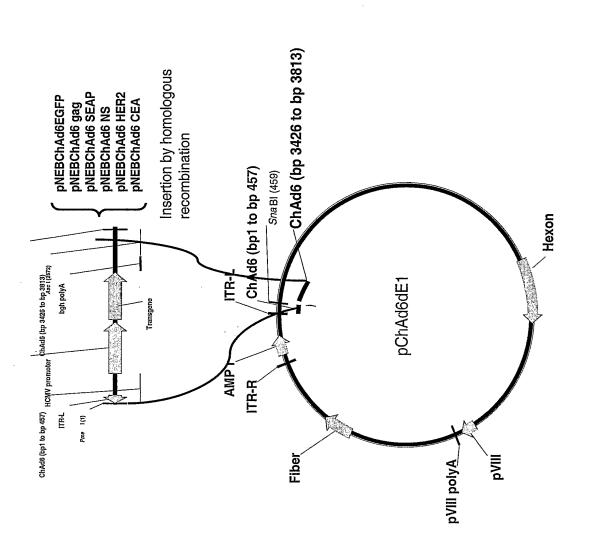


FIG. 4

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1			ATTTTGGATT			
61			GAGGCGGGTT			<del>_</del>
121		_	TGTGGCGGAT			
181			AACGCCCCCG			
241			GCGTAACCAA			
301			GATTAATTTT			
361			ATTACGTGGA			
421			TCTCCGTTTT		-	
481			AAGAGGCCAC			
541			TCCGCTCGGC			
601	ACCTACGATG	GCGGTGTGCT	CACCGGCCAG	CTGGCTGCTG	AGGTCCTGGA	CACCCTGATC
661			TTATCCTCCC			
721			GGTGGGGCCC			
781			GTTGGCCAGC			
841			TCCGCCGCAG			
901	CCTGAGACTA	TGCCCCAGCT	GCTACCTGAG	GTGATCGATC	TCACCTGTAA	TGAGTCTGGT
961	TTTCCACCCA	GCGAGGATGA	GGACGAAGAG	GGTGAGCAGT	TTGTGTTAGA	TTCTGTGGAA
1021	CAACCCGGGC	GAGGATGCAG	GTCTTGTCAA	TATCACCGGA	AAAACACAGG	AGACTCCCAG
1081	ATTATGTGTT	CTCTGTGTTA	TATGAAGATG	ACCTGTATGT	TTATTTACAG	TAAGTTTATC
1141	ATCGGTGGGC	AGGTGGGCTA	TAGTGTGGGT	GGTGGTCTTT	GGGGGGTTTT	TTAATATATG
1201	TCAGGGGTTA	TGCTGAAGAC	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	TGATTTTTAA	AGGTCCAGTG	TCTGAGCCCG
1261	AGCAAGAACC	TGAACCGGAG	CCTGAGCCTT	CTCGCCCCAG	GAGAAAGCCT	GTAATCTTAA
1321	CTAGACCCAG	CGCACCGGTA	GCGAGAGGCC	TCAGCAGCGC	GGAGACCACC	GACTCCGGTG
1381	CTTCCTCATC	ACCCCCGGAG	ATTCACCCC	TGGTGCCCCT	ATGTCCCGTT	AAGCCCGTTG
1441	CCGTGAGAGT	CAGTGGGCGG	CGGTCTGCTG	TGGAGTGCAT	TGAGGACTTG	CTTTTTGATT
1501	CACAGGAACC	TTTGGACTTG	AGCTTGAAAC	GCCCCAGGCA	TTAAACCTGG	TCACCTGGAC
1561	TGAATGAGTT	GACGCCTATG	TTTGCTTTTG	AATGACTTAA	TGTGTATAGA	TAATAAAGAG
1621			ATGGTGTGTT			
1681			GTTACACTTG			
1741			TTGCTGGACG			
1801			CAGGGCAAGT			
1861			AAATCCTGTG			
1921			AAGGTCATCA			
1981			CTAGCTTTTT			
2041			GATTTTCTGG			
2101			TTGTCTTCCG			
2161			CGGGCCCGTC			
2221			CTGGGAACCG			
2281			TTTTTCCAGA			
2341			TTAAGAGGGA			
2401			TGATGACCAG			
2461			ATGAGTTGGA			
2521			AGCCGGGTGA			
2581			ATTGCAAGTA			
2641			ACGGGGCGGA			
2701			ATATGTGGCC			
2761			GGCCCAACTT			
2821			GCTTCTATGG			
2881			GCGCCTTTTA			
2941			AGAAATGCTT			
3001			GCCACAATGT			
3061			AGCATAATAT			
3121			ATGGCAACTG			
3181	CCACAGCCGG					
3241	TCTGGGCAAC					
3301	CTTGCTAGAG					
3361	GAAGATCTGG					
3421	CGGGGGCAAG	CATATGAGGA	ACCAGCCCGT	GATGCTGGAT	GTGACCGAGG	AGCTGAGGAC

3481	AGACCACTTG	GTTCTGGCCT	GCACCAGGGC	CGAGTTTGGT	TCTAGCGATG	AAGACACAGA
3541	TTGAGGTGGG	TGAGTGGGCG	TGGCCTGGGG	TGGTCATGAA	AATATATAAG	TTGGGGGTCT
3601	TAGGGTCTCT	TTATTTGTGT	TGCAGAGACC	GCCGGAGCCA	TGAGCGGGAG	CAGCAGCAGC
3661	AGCAGTAGCA	GCAGCGCCTT	GGATGGCAGC	ATCGTGAGCC	CTTATTTGAC	GACGCGGATG
3721	CCCCACTGGG	CCGGGGTGCG	TCAGAATGTG	ATGGGCTCCA	GCATCGACGG	CCGACCCGTC
3781	CTGCCCGCAA	ATTCCGCCAC	GCTGACCTAT	GCGACCGTCG	CGGGGACGCC	GTTGGACGCC
3841	ACCGCCGCCG	CCGCCGCCAC	CGCAGCCGCC	TCGGCCGTGC	GCAGCCTGGC	CACGGACTTT
3901	GCATTCCTGG	GACCACTGGC	GACAGGGGCT	ACTTCTCGGG	CCGCTGCTGC	CGCCGTTCGC
3961	GATGACAAGC	TGACCGCCCT	GCTGGCGCAG	TTGGATGCGC	TTACTCGGGA	ACTGGGTGAC
4021	CTTTCTCAGC	AGGTCATGGC	CCTGCGCCAG	CAGGTCTCCT	CCCTGCAAGC	TGGCGGGAAT
4081	GCTTCTCCCA	CAAATGCCGT	TTAAGATAAA	TAAAACCAGA	CTCTGTTTGG	ATTAAAGAAA
4141	AGTAGCAAGT	GCATTGCTCT	CTTTATTTCA	TAATTTTCCG	CGCGCGATAG	GCCCTAGACC
4201	AGCGTTCTCG	GTCGTTGAGG			GACGTGGTAG	
4261					GAGGTAGCAC	
4321		CGGGGTGGTG			GCAGGAGCGC	
4381					GAGGCCCTTG	
4441					GATGATGTGC	
4501					GGGATTCATG	
4561					ATGCAGCTTA	
4621			CCCTTGTGGC		TTCCATGCAT	TCGTCCATGA
4681			GAGGCAGCTT		ATTTCTGGGG	TCGCTGACGT
4741			AGGTCGTCAT		TACAAAGCGC	
4801			GTCCCCTCTG		GTAGTTGCCC	
4861			TCGGAGGGG		CACCTGCGGG	
4921			GAGATTAACT		CAGGTTTCTA	
4981			CCATAAATAA			
5041					CTCGTTGAGC	
5101	CGCGCATGTT		AGATCCGCCA			
5161			TTCAGCGGCT			
5221			AGGCGGTCCC		GACGTGCTCT	
5281			TTCGCGGGTT		TCGCTGTAGG	
5341			AAGTCATGTC			
5401			GGTGCGCTCC		CTTGCCAAGG	
5461			AGCGCTGCCG		TGCGCGTCGG	
5521	TTTGACCATG		CCAGCCCCTC			
5581					AGCGCGTAGA	
5641	GAGGAAGACC				ACCCCGCACA	
5701	CTCCACCAGC				ACCAGGTTTC	
5761			GGGTCTCCAT			
5821	GCTGTCCGTG		CCGACTTGAG		TCCAGGGGG	TCCCTCGGTC
5881					CGCGTCCAGG	
5941	~~-~~				GGGTCCACCT	
6001					ATTGGCTTGT	
6061					GTGGGGGCGC	
6121					GGTGAGTATT	
6181					AACGAGGAGG	
6241					ATCTGGTCAG	
6301					GCGTTGGAGA	
6361					TCCTTGGCCG	
6421					ACGGTGGTGC	
6481					AGGTCCACGC	
6541					CCCTTGCGCG	
6601					TCCACGGTGA	
6661					ATGTCCAGCG	
6721					GGGCCCCAGG	
6781					TAGAGGGGCT	
6841					GCGCGCACGT	
6901					CGGGCGGGGC	
						5515555555

CO C1	~~~~~~~~~~~					
6961			TGGCATGCGA			
7021			GGCCGACGGC			
7081			CGGTGACCTG			
7141			CCTGCCCCTT			
7201			ACTCTTGGAT			
7261			TGACGGCCTG			
7321	GGCGTAGGCC	TGCGCGGCCT	TGCGGAGCGA	GGTGTGGGTC	AGGGCGAAGG	TGTCCCTGAC
7381			GCTTGAAGTC			
7441	CGAGAAGTCG	GTGCGCTTCT	TGGAGCGGGG	GTTGGGCAGA	GCGAAGGTGA	CATCGTTGAA
7501			GCATGAAGTT			
7561			GGGCGGCGAG			
7621			GGAAGCGGGG			
7681	CTCTTCGTAG	GTGAGCTCCT	CGGGCGAGGC	GAGGCCGTGC	TCGGCCAGGG	CCCAGTCCGC
7741			GGAAGGACTC			
7801			ACTGGCGGCC			
7861			GCCAGCGGTC			
7921			CGCCCCGAA			
7981			AAGTGTAGGT			
8041			TCGGGAAGAA			
8101			AGAAGTCCCG			
8161			GGCAGCGCTG			
8221						
8281			AGCCGAGGG			
			TGGATGCGTG			
8341			CGCCGCGCGA			
8401			CGCGCAGCTG			
8461			GTTCTTGCAG			
8521			TGATCTCTAG			
8581			GGGCGACGAC			
8641			AGCTCAGAAG			
8701			CAGGGGCGGC			
8761			GTTGCTGGCG			
8821			GACGACGGGC			
8881	ACAGAATCAA	TCTCGGTGTC	ATTGACCGCG	GCCTGGCGCA	GGATCTCCTG	CACGTCTCCC
8941			CTCGGCCATG			
9001			GGTGGCCGCC			
9061			CTCGTTCCAG			
9121			CTGCGCGAGG			
9181			GAGGTAGTTG			
9241	AAGTTCATGA	CCCAGCGGCG	CAACGTGGAT	TCGTTGATGT	CCCCCAAGGC	CTCCAGCCGT
9301	TCCATGGCCT	CGTAGAAGTC	CACGGCGAAG	TTGAAAAACT	GGGAGTTGCG	CGCCGACACG
9361	GTCAACTCCT	CCTCCAGAAG	ACGGATGAGC	TCGGCGACGG	TGTCGCGCAC	CTCGCGCTCG
9421			CTCCGCTAGC			
9481			CTCCTCTTCG			
9541			GCGCACCGGG			
9601			CTCGGTGACG			
9661			GTGCTGGGGC			
9721			CTGCGTAGGT			
9781			TTCGAGGAAG			
9841			CGGGGGGTGG			
9901	ATGTAATTGA	AGTAGGCGGA	CTTGACACGG	CGGATGGTCG	ACAGGAGCAC	CATCTCCTTC
9961			GAGGCGGTCG			
10021			TTGCATGAGC			
10081			TTCGGCCCTG			
10141			GAGCGGTTGG			
10201			CTGCGTGAGG			
10261			GATGGTGTAG			
10321			CATCTCGGTG			
10321			CCGCACCAGG			
T 0 0 0 T	TOMIDOLLOGIAGI	CGTTGCWWGI	シジムシンペンシン	TWCTGGTAGC	AADDAJJAJJ	いまいいいいい

10441	GGCTGGCGGT	AGAGGGGCCA	CCCCACCCTG	GCGGGGGCTC	רככככככר <i>א</i> כ	ርጥርጥጥር C A C C
10501		GGTAGGCGTA				
10561		GGAAGTCGCG				
10621		TGCTCTGTCC				
10681		GGTCAGCGGG				
10741		CCTCGGTTCG				
10801		CGCGTGTCGA				
10861		TCTGGCCGGG				
10921		CTCGCTCCCC				
10981		GAATCCCGTA				
11041		TATAAAGACC				
11101		TTTCCCCAGA				
11161		CACCAGCAAG				
11221		GGCGGGCCGG				
11281		CCGGCTGACG				
11341		GAGGGCGAGG				
11401		CTGAAGCGCG				
11461		GGCGAGGAGC				
11521		GGGCTGAACC				
11581		ATCAGCCCCG				
11641		GTGAACCAGG				
11701		CGCGAGGAGG				
11761		AACCCCAACA				
11821		AACGAGGCGT				
11881		GACCTGATTA				
11941		AAGGTGGCGG				
12001						TCGACGGTTT
12061		ATGGCGCTGA				
12121	CGAGCGCATC					
	GATGCACAGC					
12241		GCGGGGGCGG				
12301		GAGGACTATG				
12361		CTGGACTAAA				
12421		CGCTGCGGGC				
12481		AGGTCATGGA				
12541		CGCAGGCCAA				
12601		CGCACGAGAA				
12661		ACGAGGCCGG			TGCAGCGCGT	
12721	AACAGCGGCA	ACGTGCAGAC	CAACCTGGAC	CGGCTGGTGG	GGGACGTGCG	CGAGGCGGTG
12781		AGCGCGCGGA				
12841		CGCAGCCGGC				
12901	AGCGCGCTGC	GGCTGATGGT	GACCGAGACC	CCCCAGAGCG	AGGTGTACCA	GTCGGGCCCG
12961	GACTACTTCT	TCCAGACCAG	CAGACAGGGC	CTGCAGACGG	TGAACCTGAG	CCAGGCTTTC
13021		GGGGGCTGTG				
13081		CGCCCAACTC				
13141		CCCGGGACAC				
13201		AGGTGGACGA				
13261	GGGCAGGAGG	ACACGAGCAG	CCTGGAGGCG	ACTCTGAACT	ACCTGCTGAC	CAACCGGCGG
13321	CAGAAGATTC	CCTCGCTGCA	CAGCCTGACC	TCCGAGGAGG	AGCGCATCTT	GCGCTACGTG
13381		TGAGCCTGAA				
13441		GCAACATGGA				
13501		ACCTGCATCG				
13561		ACTGGCTCCC				
13621		GCTTCCTGTG				
13681	GCGCTGGCGG	AAGCGTCCCT	GCTGCGTCCC	AAGAAGGAGG	AGGAGGAGGC	GAGTCGCCGC
13741		GCGGCGTGGC				
13801	GGGTCCCTGG	GCGGCAGCCC	CTTTCCGAGC	CTGGTGGGGT	CTCTGCACAG	CGAGCGCACC
13861	ACCCGCCCTC					

13921				AACAACGGGA		
13981	ATGAGCAGAT	GGAAGACCTA	TGCGCAGGAG	CACAGGGACG	CGCCCGCGCT	CCGGCCGCCC
14041	ACGCGGCGCC	AGCGCCACGA	CCGGCAGCGG	GGGCTGGTGT	GGGATGACGA	GGACTCCGCG
14101	GACGATAGCA	GCGTGCTGGA	CCTGGGAGGG	AGCGGCAACC	CGTTCGCGCA	CCTGCGCCCC
14161	CGCCTGGGGA	GGATGTTTTA	AAAAAAAAA	AAGCAAGAAG	CATGATGCAA	AATTAAATAA
14221	AACTCACCAA	GGCCATGGCG	ACCGAGCGTT	GGTTTCTTGT	GTTCCCTTCA	GTATGCGGCG
14281	CGCGGCGATG	TACCAGGAGG	GACCTCCTCC	CTCTTACGAG	AGCGTGGTGG	GCGCGGCGGC
14341				GCTGCTGGAG		
14401				CATCCGTTAC		
14461				CAAGTCGGCG		
14521				GGTCATCCAG		
14581				TGACCGGTCG		
14641				GAACGAGTTC		
14701				CAAGGAAGAC		
14761				CTACTCCGAG		
14821				AGTGGGCAGG		
14881				CTTCCGCCTG		
14941				GGCCTTCCAT		
15001				CCTGAGCAAC		
15061				CTACGAGGAC		
15121				TAGCTTGAAG		
15181				CGAGCAGGGC		
15241				TATGGTGGTG		
15301	GGATATGAAT	GACAGTGCGG	TGCGCGGAGA	CACCTTCGTC	ACCCGGGGGG	AGGAAAAGCA
15361	AGCGGAGGCC	GAGGCCGCGG	CCGAGGAAAA	GCAACTGGCG	GCAGCAGCGG	CGGCGGCGGC
15421	GTTGGCCGCG	GCGGAGGCTG	AGTCTGAGGG	GACCAAGCCC	GCCAAGGAGC	CCGTGATTAA
15481	GCCCCTGACC	GAAGATAGCA	AGAAGCGCAG	TTACAACCTG	CTCAAGGACA	GCACCAACAC
15541	CGCGTACCGC	AGCTGGTACC	TGGCCTACAA	CTACGGCGAC	CCGTCGACGG	GGGTGCGCTC
15601	CTGGACCCTG	CTGTGCACGC	CGGACGTGAC	CTGCGGCTCG	GAGCAGGTGT	ACTGGTCGCT
15661	GCCCGACATG	ATGCAAGACC	CCGTGACCTT	CCGCTCCACG	CGGCAGGTCA	GCAACTTCCC
15721	GGTGGTGGGC	GCCGAGCTGC	TGCCCGTGCA	CTCCAAGAGC	TTCTACAACG	ACCAGGCCGT
15781	CTACTCCCAG	CTCATCCGCC	AGTTCACCTC	TCTGACCCAC	GTGTTCAATC	GCTTTCCTGA
15841				CACCATCACC		
15901				GCGCAACAGC		
15961				CCCCTACGTT		
16021				TTGAGCAACA		
16081				CTGCTGCGCG		
16141				GTGCGCGTGC		
16201				CGCACCACCG		
16261				GCGGTCTCTA		
16321				AAGCTGAAGA		
16381				GCCAAACGCG		
16441				ATGAGGGCCG		
16501				CGAAGACGCG		
16561				GGCAACGTGT		
16621				CCCCCGCGGA		
16681				CCCAGCGGCG		
16741				CAGGTCGTCG		
16801				CGCAAGATAA		
16861				GAGTTCCTGC		
16921				CGCGTCCTGC		
			$C \land C \land$	'I"FCAAGCGCG	TUCTATGACGA	GGTGTACGGC
16981	TTCACGCCCG					
16981 17041	GACGAAGACC	${\tt TGCTGGAGCA}$	GGCCAACGAG	CGCTTCGGAG	AGTTTGCTTA	CGGGAAGCGT
16981 17041 17101	GACGAAGACC CAGCGGGCGC	TGCTGGAGCA TGGGGAAGGA	GGCCAACGAG GGACCTGCTG	CGCTTCGGAG GCGCTGCCGC	AGTTTGCTTA TGGACCAGGG	CGGGAAGCGT CAACCCCACC
16981 17041 17101 17161	GACGAAGACC CAGCGGGCGC CCCAGTCTGA	TGCTGGAGCA TGGGGAAGGA AGCCCGTGAC	GGCCAACGAG GGACCTGCTG CCTGCAGCAG	CGCTTCGGAG GCGCTGCCGC GTGCTGCCGA	AGTTTGCTTA TGGACCAGGG GCAGCGCACC	CGGGAAGCGT CAACCCCACC CTCCGAGGCG
16981 17041 17101 17161 17221	GACGAAGACC CAGCGGGCGC CCCAGTCTGA AAGCGGGGTC	TGCTGGAGCA TGGGGAAGGA AGCCCGTGAC TGAAGCGCGA	GGCCAACGAG GGACCTGCTG CCTGCAGCAG GGGCGGCGAC	CGCTTCGGAG GCGCTGCCGC GTGCTGCCGA CTGGCGCCCA	AGTTTGCTTA TGGACCAGGG GCAGCGCACC CCGTGCAGCT	CGGGAAGCGT CAACCCCACC CTCCGAGGCG CATGGTGCCC
16981 17041 17101 17161	GACGAAGACC CAGCGGGCGC CCCAGTCTGA AAGCGGGGTC AAGCGGCAGA	TGCTGGAGCA TGGGGAAGGA AGCCCGTGAC TGAAGCGCGA GGCTGGAGGA	GGCCAACGAG GGACCTGCTG CCTGCAGCAG GGGCGGCGAC TGTGCTGGAG	CGCTTCGGAG GCGCTGCCGC GTGCTGCCGA	AGTTTGCTTA TGGACCAGGG GCAGCGCACC CCGTGCAGCT TAGACCCCGG	CGGGAAGCGT CAACCCCACC CTCCGAGGCG CATGGTGCCC TCTGCAGCCG

					ama acaamaa	amaaa aaaa a
17401		CCACCGGCAA				
17461		AGACCGATCC				
17521	GCGGAGGTGC	AGACGGACCC	CTGGCTGCCG	CCGGCGATGT	CAGCTCCCCG	CGCGCGCCGC
17581		AGTACGGCGC				
17641		CCCCCGGCTA				
17701		CCCGCCGACG				
17761		CTCCAGTCTC				
17821		GCTACCACCC				
17881		GCCGCCTCCG				
17941	AGGAGGGGTC	TGGCCGGCCG	CGGCCTGAGC	GGAGGCAGCC	GCCGCGCGCA	CCGGCGGCGA
18001	CGCGCCACCA	GCCGACGCAT	GCGCGGCGGG	GTGCTGCCCC	TGTTAATCCC	CCTGATCGCC
18061		GCGCCGTGCC				
18121		GCAAACTTGC				
18181	ACTCTCACGC		CTGTGACTAT			
						ATCGGCACCA
18241		GCGTCACGGC				
18301	GCAACATGAG		TTCAGTTGGG			
18361	GGTCTGCCGT	TAAAAATTAC	GGCTCCCGGG	CCTGGAACAG	CAGCACGGGC	CAGATGTTGA
18421	GAGACAAGTT	GAAAGAGCAG	AACTTCCAGC	AGAAGGTGGT	GGAGGGCCTG	GCCTCCGGCA
18481	TCAACGGGGT	GGTGGACCTG	GCCAACCAGG	CCGTGCAGAA	TAAAATCAAC	AGCAGACTGG
18541	ACCCCCGGCC	GCCGGTGGAG	GAGGTGCCGC	CGGCGCTGGA	GACGGTGTCC	CCCGATGGGC
18601		GCGCCCGCGG				
18661		GTATGAGGAG				
		CGGGGTGGTG				
18721						
18781		GCAGCAGCAG				
18841		TCCTCTGCGC				
18901		GAGCACGCTG				
18961	GCCGATGCTA	CTGAATAGCT	TAGCTAACGT	GTTGTATGTG	TGTATGCGCC	CTATGTCGCC
19021	GCCAGAGGAG	CTGCTGAGTC	GCCGCCGTTC	GCGCGCCCAC	CACCACCGCC	ACTCCGCCCC
19081		GACCCCATCG				
19141		GTACCTGAGC				
19201		TAACAAGTTT				
		GCGCCTGACG				
19261						
19321		GCGGTTCACC				ATGGCCTCCA
19381		CATCCGCGGG				TACTCTGGCA
19441		CTCCCTGGCC				
19501	AAACTCAGGC	AGTTGAAGAA	GCAGCAGAAG	AGGAAGAAGA	AGATGCTGAC	GGTCAAGCTG
19561	AGGAAGAGCA	AGCAGCTACC	AAAAAGACTC	ATGTATATGC	TCAGGCTCCC	CTTTCTGGCG
19621	AAAAAATTAG	TAAAGATGGT	CTGCAAATAG	GAACGGACGC	TACAGCTACA	GAACAAAAAC
19681		AGACCCTACA				
19741		TACAGTCGCC				
		CTATGCAAGA				
19801						
19861		ACAGCTAGAA				
19921		GGCTAACAAC				
19981		GGATACGCAC				
20041	TCATGCTGGG	TCAGCAGTCC	ATGCCCAACA	GACCTAATTA	CATCGGCTTC	AGAGACAACT
20101	TTATCGGCCT	CATGTATTAC	AATAGCACTG	GCAACATGGG	AGTGCTTGCA	GGTCAGGCCT
20161	CTCAGTTGAA	TGCAGTGGTG	GACTTGCAAG	ACAGAAACAC	AGAACTGTCC	TACCAGCTCT
20221		CATGGGTGAC				
20221		AGATGTTAGA				
20341						AAAACCAACA
20401		CGGGGGCCAG				
20461		GGGAAACAAT				
20521		CTCCAACGTG				
20581	ATGTGGACAT	CTCTGACAAC	CCCAACACCT	ACGATTACAT	GAACAAGCGA	GTGGTGGCCC
20641	CGGGGCTGGT	GGACTGCTAC	ATCAACCTGG	GCGCGCGCTG	GTCGCTGGAC	TACATGGACA
20701		CTTCAACCAC				
20761						GCCATCAAGA
20821		CCTGCCGGGC				
20021	ACCICCICCI		TOCIMONOCI	WCGWG I GGWW	CTICAGGAAG	O'ST GI CUUCU

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20881						ATCAAGTTCG
20941						TCCACGCTCG
21001						TCCGCCGCCA
21061						CCCTCGCGCA
21121		CTTCCGCGGC				ACCCCCTCCC
21181						CTGGACGGCA
21241						TCGGTCAGCT
21301	GGCCGGGCAA	CGACCGTCTG	CTCACCCCCA	ACGAGTTCGA	GATCAAGCGC	TCGGTCGACG
21361						GTCCAGATGC
21421	TGGCCAACTA	CAACATCGGC	TACCAGGGCT	TCTACATCCC	AGAGAGCTAC	AAGGACAGGA
21481	TGTACTCCTT	CTTCAGGAAC	TTCCAGCCCA	TGAGCCGGCA	GGTGGTGGAC	CAGACCAAGT
21541	ACAAGGACTA	CCAGGAGGTG	GGCATCATCC	ACCAGCACAA	CAACTCGGGC	TTCGTGGGCT
21601	ACCTCGCCCC	CACCATGCGC	GAGGGACAGG	CCTACCCCGC	CAACTTCCCC	TACCCGCTCA
21661						CGCACCCTCT
21721						CTGGGCCAGA
21781						GACCCCATGG
21841					CGTGGTCCGG	
21901						GGCAACGCCA
21961						CCACCGAGCA
22021						GCACCTTCGA
22021					TGCGCCATCG	
					TGGAACCCGC	
22141					CTCAAGCAAA	
22201					TCGCCCGACC	
22261						
22321					GCCGCCTGCG	
22381		CTGCACGCCT			CCCATGGACC	
22441					AGCCCCCAGG	
22501					CGCCACTCGC	
22561					CACTTGCAAG	
22621					CATTTTTTTT	
22681					CGTTGTCGCC	
22741					CCACGGGCAG	
22801					CCAGGCGAGG	
22861					TCATCAGGTC	
22921	ATCTTGAAGT	CGCAGTTGGG	GCCGCCGCCC	TGCGCGCGCG	AGTTGCGGTA	CACCGGGTTG
22981					CCAGCACGCT	
23041	ATCAGCTCGG	CGTCCAGGTC	CTCCGCGTTG	CTCAGCGCGA	ACGGGGTCAT	CTTGGGCACT
23101	TGCCGCCCCA	GGAAGGGCGC	GTGCCCCGGT	TTCGAGTTGC	AGTCGCAGCG	CAGCGGGATC
23161	AGCAGGTGCC	CGTGCCCGGA	CTCGGCGTTG	GGGTACAGCG	CGCGCATGAA	GGCCTGCATC
23221	TGGCGGAAGG	CCATCTGGGC	CTTGGCGCCC	TCCGAGAAGA	ACATGCCGCA	GGACTTGCCC
23281					AGCGCGCGTC	
23341	ATCTGCACCA					
23401					CGATCACATG	
23461	ACCATGCTGC					
23521	CACAGCGCGC					
23581					TGTTGCTGCT	
23581	TGCAGCCCGC					
23701					CCACGTGGTA	
	AGCGTGCGCG					
23761						
23821					CGCTTTCCGC	
23881	TCTTCCTCTT					
23941	TCTTCCTGCA					
24001	GGGTTGCTGA					
24061	ATGACCTCCG					
24121	CTGGGGGCGT					
24181	GGCGTGCGCG					
24241	AGGCGGGCCC					
24301	GGGGACGAGA	CATCGTCCAG	GGTGGGTGGA	CGGCGGGCCG	CGCCGCGTCC	GCGCTCGGGG

04261	amaammaaa	aamaamaama	mmaaaaa ama	aca mamaaa	* CECCECCE	CMCCM3 M3 CC
24361		GCTGGTCCTC				
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24481		CCTCCACCAC				
24541		CCGCCAGTAC				
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24721	GATAAGGATG	AGACAGCAGT	CGGGCGGGG	AACGGAAGCC	ATGATGCTGA	TGACGGCTAC
24781	CTAGACGTGG	GAGACGACGT	GCTGCTTAAG	CACCTGCACC	GCCAGTGCGT	CATCGTCTGC
24841	GACGCGCTGC	AGGAGCGCTG	CGAAGTGCCC	CTGGACGTGG	CGGAGGTCAG	CCGCGCCTAC
24901	GAGCGGCACC	TCTTCGCGCC	GCACGTGCCC	CCCAAGCGCC	GGGAGAACGG	CACCTGCGAG
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25981		GCATGCTGCA				
26041		GCTGCGCGCT				
26101		GGGGCCACTG			and the second s	
26161		AAGACGTGAG				
26221		ACCGCTCTCT				
26281	GGTACCTTCG	AGCTGCAGGG	TCCCTCGCCT	GACGAGAAGT	CCGCGGCTCC	GGGGCTGAAA
26341	CTCACTCCGG	GGCTGTGGAC	TTCCGCCTAC	CTACGCAAAT	TTGTACCTGA	GGACTACCAC
26401	GCCCACGAGA	TCAGGTTCTA	CGAAGACCAA	TCCCGCCCGC	CCAAGGCGGA	GCTCACCGCC
26461	TGCGTCATCA	CCCAGGGGCA	CATCCTGGGC	CAATTGCAAG	CCATCAACAA	AGCCCGCCGA
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28981	GAACAGGAGG	TGAGCTCAGG	AAACTCCCCG	GGGACCAGGG	CGGAGACGTA	CCTTCGACCC
29041	TTGTGGGGTT	AGGATTTTTT	ATTACCGGGT	TGCTGGCTCT	TTTAATCAAA	GCTTCCTTGA
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21221			~~~~~~~~~			
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35821				GTGGTCATAC		
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37321	GACCCGAGTC	TTACCAGTAA	AAGAAAAAG	ATCTCTCAAC	GCAGCACCAG	CACCAACACT
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37741	G (SEQ ID	NO: 1)			•	

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3361	CGATCATTTG	GTGTTGTCCT	GCAACGGGAC	GGAGTTCGGC	TCCAGCGGGG	AAGAATCTGA
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4921		ATGTTCTCGC				
4981		AGCGAGGCGA				
5041		TGTTGCAAGA				
5101		AGCAGACCTC				
5161	AGGCGATGGG	CGTCCAGCGA	GGCCAGGGTC	CGGTCCTTCC	AGGGTCGCAG	GGTCCGCGTC
5221		CCGTCACGGT				
5281		TCCGGCTGGT				
5341		GCATGAGTTC				
5401		AAGTGTGTCC				
5461		AGACGGACTC				
5521		CGAGCCAGGT				
5581		TGCGTTTCTT				
5641		CCGTGTCCCC				
5701	CGGTCCTCGT	CGTAGAGGAA	CCCCGCCCAC	TCCGAGACGA	AGGCCCGGGT	CCAGGCCAGC
5761	ACGAAGGAGG	CCACGTGGGA	GGGGTAGCGG	TCGTTGTCCA	CCAGCGGGTC	CACCTTCTCC
5821	AGGGTATGCA	AGCACATGTC	CCCCTCGTCC	ACATCCAGGA	AGGTGATTGG	CTTGTAAGTG
5881	TAGGCCACGT	GACCGGGGGT	CCCGGCCGGG	GGGGTATAAA	AGGGGGCGGG	CCCCTGCTCG
5941	TCCTCACTGT	CTTCCGGATC	GCTGTCCAGG	AGCGCCAGCT	GTTGGGGTAG	GTATTCCCTC
6001		GCATGACCTC				
6061		TGCCGTTGGA				
6121	ACGATCTTTT	TGTTGTCGAG	CTTGGTGGCG	AAGGAGCCGT	AGAGGGCGTT	GGAGAGGAGC
6181		AGCGCATGGT				
6241		CGTACTCGCG				
6301	TCGGGCACGA	TTCTGACCCG	CCAGCCGCGG	TTGTGCAGGG	TGATGAGGTC	CACGCTGGTG
6361	GCCACCTCGC	CGCGCAGGGG	CTCGTTGGTC	CAGCAGAGGC	GCCCGCCCTT	GCGCGAGCAG
6421	AAGGGGGGCA	GCGGGTCCAG	CATGAGCTCG	TCTGGGGGGT	CGGCGTCCAC	GGTGAAGATG
6481	CCGGGCAGGA	GCTCGGGGTC	GAAGTAGCTG	ATGGAAGTGG	CCAGATCGTC	CAGGGAAGCT
6541	TGCCAGTCGC	GCACGGCCAG	CGCGCGCTCG	TAGGGGCTGA	GGGGCGTGCC	CCAGGGCATG
6601	GGGTGCGTGA	GCGCGGAGGC	GTACATGCCG	CAGATGTCGT	AGACGTAGAG	GGGCTCCTCG
6661	AGGATGCCGA	TGTAGGTGGG	GTAGCAGCGC	CCCCCGCGGA	TGCTGGCGCG	CACGTAGTCG
6721	TACAGCTCGT	GCGAGGGCGC	GAGGAGCCCC	GTGCCGAGAT	TGGAGCGCTG	CGGCTTTTCG
6781	GCGCGGTAGA	CGATCTGGCG	GAAGATGGCG	TGGGAGTTGG	AGGAGATGGT	GGGCCTCTGC

6841	AAGATGTTGA	AGTGGGCGTG	GGGCAGGCCG	ACCGAGTCCC	TGATGAAGTG	GGCGTAGGAG
6901	TCCTGCAGCT	TGGCGACGAG	CTCGGCGGTG	ACGAGGACGT	CCAGGGCGCA	GTAGTCGAGG
6961	GTCTCTTGGA	TGATGTCATA	CTTGAGCTGG	CCCTTCTGCT	TCCACAGCTC	GCGGTTGAGA
7021	AGGAACTCTT	CGCGGTCCTT	CCAGTACTCT	TCGAGGGGGA	ACCCGTCCTG	ATCGGCACGG
7081	TAAGAGCCCA	CCATGTAGAA	. CTGGTTGACG	GCCTTGTAGG	CGCAGCAGCC	CTTCTCCACG
7141	GGGAGGGCGT	AAGCTTGCGC	GGCCTTGCGC	AGGGAGGTGT	GGGTGAGGGC	GAAGGTGTCG
7201	CGCACCATGA	CCTTGAGGAA	CTGGTGCTTG	AAGTCGAGGT	CGTCGCAGCC	GCCCTGCTCC
7261	CAGAGTTGGA	AGTCCGTGCG	CTTCTTGTAG	GCGGGGTTGG	GCAAAGCGAA	AGTAACATCG
7321	TTGAAGAGGA	TCTTGCCCGC	GCGGGGCATG	AAGTTGCGAG	TGATGCGGAA	AGGCTGGGGC
7381	ACCTCGGCCC	GGTTGTTGAT	GACCTGGGCG	GCGAGGACGA	TCTCGTCGAA	GCCGTTGATG
7441	TTGTGCCCGA	CGATGTAGAG	TTCCACGAAT	CGCGGGCGGC	CCTTGACGTG	GGGCAGCTTC
7501	TTGAGCTCGT	CGTAGGTGAG	CTCGGCGGG	TCGCTGAGCC	CGTGCTGTTC	GAGGGCCCAG
7561	TCGGCGACGT	GGGGGTTGGC	GCTGAGGAAG	GAAGTCCAGA	GATCCACGGC	CAGGGCGGTC
7621	TGCAAGCGGT	CCCGGTACTG	ACGGAACTGC	TGGCCCACGG	CCATTTTTTC	GGGGGTGACG
7681	CAGTAGAAGG	TGCGGGGGTC	GCCGTGCCAG	CGGTCCCACT	TGAGCTGGAG	GGCGAGGTCG
7741	TGGGCGAGCT	CGACGAGCGG	TGGGTCCCCG	GAGAGTTTCA	TGACCAGCAT	GAAGGGGACG
7801	AGCTGCTTGC	CGAAGGACCC	CATCCAGGTG	TAGGTTTCCA	CATCGTAGGT	GAGGAAGAGC
7861	CTTTCGGTGC	GAGGATGCGA	GCCGATGGGG	AAGAACTGGA	TCTCCTGCCA	CCAGTTGGAG
7921	GAATGGCTGT	TGATGTGATG	GAAGTAGAAA	TGCCGACGGC	GCGCCGAGCA	CTCGTGCTTG
7981	TGTTTATACA	AGCGTCCGCA	GTGCTCGCAA	CGCTGCACGG	GATGCACGTG	CTGCACGAGC
8041	TGTACCTGAG	TTCCTTTGAC	GAGGAATTTC	AGTGGGCAGT	GGAGCGCTGG	CGGCTGCATC
8101	TGGTGCTGTA	CTACGTCCTG	GCCATCGGCG	TGGCCATCGT	CTGCCTCGAT	GGTGGTCATG
8161	CTGACGAGGC	CGCGCGGGAG	GCAGGTCCAG	ACCTCGGCTC	GGACGGGTCG	GAGAGCGAGG
8221	ACGAGGGCGC	GCAGGCCGGA	GCTGTCCAGG	GTCCTGAGAC	GCTGCGGAGT	CACCTCACTC
8281	GGCAGCGGCG	GCGCGCGGTT	GACTTGCAGG	AGCTTTTCCA	GGGCGCGCGG	CACCTCCACA
8341	TGGTACTTGA	TCTCCACGGC	GCCGTTGGTG	GCGACGTCCA	CGGCTTGCAG	GGTCCCGTGC
- 8401	- CCCTGGGGCG	CCACCACCGT	GCCCCGTTTC	TTCTTGGGCG	CTGGTTCCAT	GCCGGTCAGA
8461.	AGCGGCGGCG	AGGACGCGCG	CCGGGCGGCA	GGGGCGGCTC	GGGGCCCGGA	GCCAGGGGGG
8521	GCAGGGGCAC	GTCGGCGCCG	CGCGCGGGCA	GGTTCTGGTA	CTGCGCCCGG	ACAACACTCC
85,81	CGTGAGCGAC	GACGCGACGG	TTGACGTCCT	GGATCTGACG	СТОСОСССССС	AACCCCACCC
8641	GACCCGTGAG	TTTGAACCTG	AAAGAGAGTT	CGACAGAATC	AATCTCGGTA	TCGTTGACGG
8701	CGGCCTGCCG	CAGGATCTCT	TGCACGTCGC	CCGAGTTGTC	CTGGTAGGCG	ATCTCCCTCA
8761	$\cdot \mathbf{TGAACTGCTC}$	GATCTCCTCC	TCCTGAAGGT	CTCCGCGGCC	GGCGCGCTCG	ACCCTCCCC
8821	CGAGGTCGTT	GGAGATGCGG	CCCATGAGCT	GCGAGAAGGC	GTTCATGCCG	GCCTCGTTCC
8881	AGACGCGGCT	GTAGACCACG	GCTCCGTCGG	GGTCGCGCGC	GCGCATGACC	ACCTCCCCA
8941	GGTTGAGCTC	GACGTGGCGC	GTGAAGACCG	CGTAGTTGCA	GAGGCGCTGG	TACACCTACT
9001	TGAGCGTGGT	GGCGATGTGC	TCGGTGACGA	AGAAGTACAT	GATCCAGCGG	CCCACCCCCA
9061	TCTCGCTGAC	GTCGCCCAGG	GCTTCCAAGC	GCTCCATGGC	CTCGTAGAAG	TCCACCCCCA
9121	AGTTGAAAAA	CTGGGAGTTG	CGCGCCGAGA	CGGTCAACTC	CTCCTCCACA	ACACCCATCA
9181	GCTCGGCGAT	GGTGGCGCGC	ACCTCGCGCT	CGAAGGCCCC	GGGGGGCTCC	TOTOGOGATGA
9241	TCTCCTCCTC	CTCTTCCTCC	TCCACTAACA	TCTCTTCTAC	TTCCTCCTCA	CCACCCCCTC
9301	GCGGGGGAGG	GGCCCTGCGT	CGCCGGCGGC	GCACGGGCAG	ACGGTCGATG	A A C C C C T C C A
9361			CGCATGGTCT			
9421	GCAGCGTGAA	GACGCCGCCG	CGCATCTCCA	GGTGGCCGCC-	GGGGGGGTCT	CCGTTCCCCA
9481	GGGAGAGGGC	GCTGACGATG	CATCTTATCA	ATTGGCCCGT	AGGGACTCCG	CCCAACCACC
9541	TGAGCGTCTC	GAGATCCACG	GGATCCGAAA	ACCGCTGAAC	GAAGGCTTCG	ACCCACTCCC
9601	AGTCGCAAGG	TAGGCTGAGC	CCGGTTTCTT	CGGGTATTTG	GTCGGGAGGC	GGGCGGGGGA
9661	TGCTGCTGGT	GATGAAGTTG	AAGTAGGCGG	TCCTGAGACG	GCGGATGGTG	GCGAGGGGGA
9721	CCAGGTCCTT	GGGCCCGGCT	TGCTGGATGC	GCAGACGGTC	GCCCATGCCC	CACCCCTCCT
9781	CCTGACACCT	GGCGAGGTCC	TTGTAGTAGT	CCTGCATGAG	CCGCTCCACG	CAGGCGIGGI
9841	CCTCGCCCGC	GCGGCCGTGC	ATGCGCGTGA	GCCCGAACCC	GCGCTGCGC	TGGACGAGCG
9901	CCAGGTCGGC	GACGACGCGC	TCGGCGAGGA	TGGCCTGCTG	GATCTCCCTC	ACCCTCCTCT
9961	GGAAGTCGTC	GAAGTCGACG	AAGCGGTGGT	AGGCTCCGGT	GTTGATGGTG	TATCACCACT
10021	TGGCCATGAC	GGACCAGTTG	ACGGTCTGGT	GGCCGGGGCG	CACGAGCTCG	TAT GAGCAGT
10081	GGCGCGAGTA	GGCGCGCGTG	TCGAAGATGT	AGTCGTTGCA	GGTGCGCACG	ACCAACTICA
10141	ATCCGACGAG	GAAGTGCGGC	GGCGGCTGGC	GGTAGAGCGG	CCATCGCTCG	CTCCCCCC
10201	CGCCGGGCGC	GAGGTCCTCG	AGCATGAGGC	GGTGGTAGCC	GTACATCTAC	CTCCBGGGG
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10261	AGGTGATGCC	GGCGGCGGTG	GTGGAGGCGC	GCGGGAACTC	GCGGACGCGG	TTCCAGATGT
10321						CGCGCGCAGT
10381						GTGGCCTGGA
10441						TCAGGCTGGA
10501	GCCGCAGCTA	ACGTGGTACT	GGCACTCCCG	TCTCGACCCA	AGCCTGCACA	AAACCTCCAG
10561						GTAAGCGCGA
10621						AGGGTTGCGT
10681	TGCGGTGTGC	CCCGGTTCGA	GGCCGGCCGG	ATTCCGCGGC	TAACGAGGGC	GTGGCTGCCC
10741	CGTCGTTTCC	AAGACCCCTA	GCCAGCCGAC	TTCTCCAGTT	ACGGAGCGAG	CCCCTCTTTT
10801	GTTTTGTTTG	TTTTTGCCAG	ATGCATCCCG	TACTGCGGCA	GATGCGCCCC	CACCACCCTC
10861	CACCGCAACA	ACAGCCCACT	CCACAGCCGG	CGCTTCTGCC	CCCGCCCCAG	CAGCAGCAAC
10921	TTCCAGCCAC	GACCGCCGCG	GCCGCCGTGA	GCGGGGCTGG	ACAGACTTCT	CAGTATGACC
10981	ACCTGGCCTT	GGAAGAGGGC	GAGGGGCTGG	CGCGCCTGGG	GGCGTCGTCG	CCGGAGCGGC
11041	ACCCGCGCGT	GCAGATGAAA	CGGGACGCTC	GCGAGGCCTA	CGTGCCCAAG	CAGAACCTGT
11101	TCAGAGACAG	GAGCGGCGAG	GAGCCCGAGG	AGATGCGCGC	GGCCCGGTTC	CACGCGGGGC
11161	GGGAGCTGCG	GCGCGGCCTG	GACCGAAAGA	GGGTGCTGAG	GGACGAGGAT	TTCGAGGCGG
11221	ACGAGCTGAC	GGGGATCAGC	CCCGCGCGCG	CGCACGTGGC	CGCGGCCAAC	CTGGTCACGG
11281	CGTACGAGCA	GACCGTGAAG	GAGGAGAGCA	ACTTCCAAAA	ATCCTTCAAC	AACCACGTGC
11341	GCACCCTGAT	CGCGCGCGAG	GAGGTGACCC	TGGGCCTGAT	GCACCTGTGG	GACCTGCTGG
11401	AGGCCATCGT	GCAGAACCCC	ACCAGCAAGC	CGCTGACGGC	GCAGCTGTTC	CTGGTGGTGC
11461	AGCACAGTCG	GGACAACGAG	GCGTTCAGGG	AGGCGCTGCT	GAATATCACC	GAGCCCGAGG
11521	GCCGCTGGCT	CCTGGACCTG	GTGAACATTC	TGCAGAGCAT	CGTGGTGCAG	GAGCGCGGGC
11581	TGCCGCTGTC	CGAGAAGCTG	GCGGCCATCA	ACTTCTCGGT	GCTGAGTCTG	GGCAAGTACT
11641	ACGCTAGGAA	GATCTACAAG	ACCCCGTACG	TGCCCATAGA	CAAGGAGGTG	AAGATCGACG
11701	GGTTTTACAT	GCGCATGACC	CTGAAAGTGC	TGACCCTGAG	CGACGATCTG	GGGGTGTACC
11761	GCAACGACAG	GATGCACCGC	GCGGTGAGCG	CCAGCCGCCG	GCGCGAGCTG	AGCGACCAGG
11821	- AGCTGATGCA	. CAGCCTGCAG	CGGGCCCTGA	CCGGGGCCGG	GACCGAGGGG	GAGAGCTACT
11881 .	TTGACATGGG	CGCGGACCTG	CGCTGGCAGC	CCAGCCGCCG	GGCCTTGGAA	GCTGCCGGCG
11941	GTTCCCCCTA	CGTGGAGGAG	GTĠGACGATG	AGGAGGAGGA	GGGCGAGTAC	СТССААСАСТ
12001	GATGGCGCGA	CCGTATTTTT	GCTAGATGCA	GCAACAGCCA	CCGCCGCCTC	CTGATCCCCC
12061	GATGCGGGCG	GCGCTGCAGA	GCCAGCCGTC	CGGCATTAAC	TCCTCGGACG	ATTGGACCCA
12121	GGCCATGCAA	CGCATCATGG	CGCTGACGAC	CCGCAATCCC	GAAGCCTTTA	GACAGCAGCC
12181	TCAGGCCAAC	CGGCTCTCGG	CCATCCTGGA	GGCCGTGGTG	CCCTCGCGCT	CGAACCCCAC
12241	GCACGAGAAG	GTGCTGGCCA	TCGTGAACGC	GCTGGTGGAG	AACAAGGCCA	TCCGCGCCA
12301			ACGCGCTGCT			
12361	CGTGCAGACG	AACCTGGACC	GCATGGTGAC	CGACGTGCGC	GAGGCGGTGT	CGCAGCGCGA
12421	GCGGTTCCAC	CGCGAGTCGA	ACCTGGGCTC	CATGGTGGCG	CTGAACGCCT	TCCTCACCAC
12481			GGGGCCAGGA			
12541			CCCAGAGCGA			
12601	CCAGACCAGT	CGCCAGGGCT	TGCAGACCGT	GAACCTGAGC	CACCCTTTCA	ACAACTTCCA
12661			CCCCGGTCGG			
12721	GCCGAACTCG	CGCCTGCTGC	TGCTGCTGGT	GGCGCCCCTTC	ACCCACACCC	CCACCCTCAC
12781	CCGCGACTCG	TACCTGGGCT	ACCTGCTTAA	CCTCTACCCC	CACCCCATCC	GCCACCCCA
12841			AGGAGATCAC			
12901	CCCGGGCAAC	CTGGAGGCCA	CCCTGAACTT	CCTCCTCACC	AACCGCTCCC	ACA ACA TOCO
12961	GCCCCAGTAC	GCGCTGAGCA	CCGAGGAGGA	CCCCATCCTC	CCCTACCTCC	AGAAGAICCC
13021	GGGGCTGTTC	CTGATGCAGG	AGGGGGCCAC	CCCCACCCCC	CCCCTCCACA	TCACAGAGCGI
13081			ACGCCCGCAA			
13141	CTTGCATCGG	CCCCCCCCA	TGAACTCGGA	COGCCCGIIC	ATCAMIAAGC	TGATGGACTA
13201	CTGGCTCCCG	CCGCCCCC	TCTACACCCC	CTACTITACC	VACCCCWICI.	TGHACCCGCA
13261	GTTCCTGTGG	CATCACCTCC	ACACCACCCO	CONGINICAC	TIGCCCGACC	CCAACGACGG
13321	GAAGAAAGAG	CCCCCCCVCC	GGCGGCCGT.	GIICICGCCG	TOCCOMO COCO	CCACCGTGTG
13381	CGCGGCGGTG	CCCGGGGACC	CCACCCCATC	CICAGCACTA	TCCGGTCGCG	CGGGTGCTGC
13441	GCGCAGCAGC	CACCTICGCAC	CCAGCCCCII	CCCGWGCCIG	CCCITITCGC	T GAACAGCGT
13501	GAACGACTCC	ተጣርጥጥር ልርርር	CCCTGWCGCG	GA A CA A COUNC	CIGGGCGAGG	AGGAGTACCT
13561	CCTGGTGGAC	A A CATCACCC	CCGAGCGCGA	CHACAGAACTIC	CACCACTACC	A CON COCCCC
13621	AGCTAGCAGC	VGC VCCCCCC	GC T GGWWGWC	GIACGCGCAC	CAGCACAGGG	ACGAGCCGCG
	JUNDALOUR	としていいしてい	CCCGIAGACG	CAGCGGCAC	CACAGGCAGC	GGGACT.GGT,

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13681	GTGGGACGAT	GAGGATTCCG	CCGACGACAG	CAGCGTGTTG	GACTTGGGTG	GGAGTGGTGG
13741						AATCTGAAAA
13801			AAGGCCATGG			
13861	TAGTAGTATG	ATGAGGCGCG	TGTACCCGGA	GGGTCCTCCT	CCCTCGTACG	AGAGCGTGAT
13921	GCAGCAGGCG	GTGGCGGCGG	CGATGCAGCC	CCCGCTGGAG	GCGCCTTACG	TGCCCCCGCG
13981	GTACCTGGCG	CCTACGGAGG	GGCGGAACAG	CATTCGTTAC	TCGGAGCTGG	CACCCTTGTA
14041	CGATACCACC	CGGTTGTACC	TGGTGGACAA	CAAGTCGGCG	GACATCGCCT	CGCTGAACTA
14101	CCAGAACGAC	CACAGCAACT	TCCTGACCAC	CGTGGTGCAG	AACAACGATT	TCACCCCCAC
14161	GGAGGCCAGC	ACCCAGACCA	TCAACTTTGA	CGAGCGCTCG	CGGTGGGGCG	GCCAGCTGAA
14221	AACCATCATG	CACACCAACA	TGCCCAACGT	GAACGAGTTC	ATGTACAGCA	ACAAGTTCAA
14281	GGCGCGGGTC	ATGGTCTCGC	GCAAGACCCC	CAACGGGGTC	GCGGTAGGGG	ATGATTATGA
14341	TGGTAGTCAG	GACGAGCTGA	CCTACGAGTG	GGTGGAGTTT	GAGCTGCCCG	AGGGCAACTT
14401	CTCGGTGACC	ATGACCATCG	ATCTGATGAA	CAACGCCATC	ATCGACAATT	ACTTGGCGGT
14461	GGGACGGCAG	AACGGGGTGC	TGGAGAGCGA	CATCGGCGTG	AAGTTCGACA	CGCGCAACTT
14521			TGACCGAGCT			
14581			TGCTGCCCGG			
14641	CAGCAACCTG	CTGGGCATCC	GCAAGCGGCA	GCCCTTCCAG	GAGGGCTTCC	AGATCCTGTA
14701	CGAGGACCTG	GAGGGGGGCA	ACATCCCCGC	GCTCTTGGAT	GTCGAAGCCT	ATGAAGAAAG
14761	TAAGGAAAAA	GCAGAGGCTG	AGGCAACTGC	AGCCGTGGCT	ACTGCCGCTG	TCACCGATGC
14821			GCGATACATT			
14881			AAAGTAAGAT			
14941			TATCGGATGG			
15001	GGCCTACAAC	TACGGCGACC	CCGAGAAGGG	CGTGCGCTCC	TGGACGCTGC	TCACCACCTC
15061	GGACGTCACC	TGCGGCGTGG	AGCAAGTCTA	CTGGTCGCTG	CCCGACATGA	TGCAAGACCC
15121	GGTCACCTTC	CGCTCCACGC	GTCAAGTTAG	CAACTACCCG	GTGGTGGGCG	CCGAGCTCCT
15181	GCCCGTCTAC	TCCAAGAGCT	TCTTCAACGA	GCAGGCCGTC	TACTCGCAGC	AGCTGCGCGC
15241			TCTTCAACCG			
15301			CCGTCAGTGA			
15361	CCTGCCGCTG	CGCAGCAGTA	TCCGGGGAGT	CCAGCGCGTG	ACCGTCACTG	ACGCCAGACG
15421	CCGCACCTGC	CCCTACGTCT	ACAAGGCCCT	GGGCGTAGTC	GCGCCGCGCG	TCCTCTCGAG
15481	CCGCACCTTC	TAAAAAATGT	CCATTCTCAT	CTCGCCCAGT	AATAACACCG	GTTGGGGCCT
15541	GCGCGCGCCC	AGCAAGATGT	ACGGAGGCGC	TCGCCAACGC	TCCACGCAAC	ACCCCGTGCG
15601	CGTGCGCGGG	CACTTCCGCG	CTCCCTGGGG	CGCCCTCAAG	GGCCGCGTGC	GCTCGCGCAC
15661	CACCGTCGAC	GACGTGATCG	ACCAGGTGGT	GGCCGACGCG	CGCAACTACA	CGCCCGCCGC
15721			ACGCCGTCAT			
15781	CGCCCGCGCC	AAGAGCCGGC	GGCGGCGCAT	CGCCCGGCGG	CACCGGAGCA	CCCCCCCCAT
15841	GCGCGCGGCG	CGAGCCTTGC	TGCGCAGGGC	CAGGCGCACG	GGACGCAGGG	CCATGCTCAG
15901	GGCGGCCAGA	CGCGCGGCCT	CTGGCAGCAG	CAGCGCCGGC	AGGACCCGCA	GACGCGCGCC
15961	CACGGCGGCG	GCGGCGGCCA	TCGCCAGCAT	GTCCCGCCCG	CGGCGCGGCA	ACGTGTACTG
16021			GTGTGCGCGT			
16081			TTGATGTGTC			
16141	TTCAAGGAAG	AGATGCTCCA	GGTCATCGCG	CCTGAGATCT	ACGGCCCCGC	GGCGGCGGTG
16201	AAGGAGGAAA	GAAAGCCCCG	CAAACTGAAG	CGGGTCAAAA	AGGACAAAAA	GGAGGAGGAA
16261	GATGTGGACG	GACTGGTGGA	GTTTGTGCGC	GAGTTCGCCC	CCCGGCGGCG	CGTGCAGTGG
16321	CGCGGGCGGA	AAGTGAAACC	GGTGCTGCGA	CCCGGCACCA	CCGTGGTCTT	CACGCCCGGC
16381	GAGCGTTCCG	GCTCCGCCTC	CAAGCGCTCC	TACGACGAGG	TGTACGGGGA	CGAGGACATC
16441	CTCGAGCAGG	CGGCCGAGCG	TCTGGGCGAG	TTTGCTTACG	GCAAGCGCAG	CCGCCCCGCG
16501	CCCTTGAAAG	AGGAGGCGGT	GTCCATCCCG	CTGGACCACG	GCAACCCCAC	GCCGAGTCTG
16561	AAGCCGGTGA	CCCTGCAGCA	GGTGCTGCCG	AGCGCGGCGC	CGCGCCGGGG	CTTCAAGCGC
16621	GAGGGCGGCG	AGGATCTGTA	CCCGACCATG	CAGCTGATGG	TGCCCAAGCG	CCAGAAGCTG
16681	GAGGACGTGC	TGGAGCACAT	GAAGGTGGAC	CCCGAGGTGC	AGCCCGAGGT	CAAGGTGCGG
16741	CCCATCAAGC	AGGTGGCCCC	GGGCCTGGGC	GTGCAGACCG	TGGACATCAA	GATCCCCACG
16801	GAGCCCATGG	AAACGCAGAC	CGAGCCCGTG	AAGCCCAGCA	CCAGCACCAT	GGAGGTGCAG
	ACGGATCCCT	GGATGCCGGC	GCCGGCTTCC	ACCACCACCA	CTCGCCGAAG	ACGCAAGTAC
16921	GGCGCGGCCA	GCCTGCTGAT	GCCCAACTAC	GCGCTGCATC	CTTCCATCAT	CCCCACGCCG
16981	GGCTACCGCG	GCACGCGCTT	CTACCGCGGC	TACAGCAGCC	GCCGCAAGAC	CACCACCCCC
17041	CGCCGCCGTC	GTCGCACCCG	CCGCAGCAGC	ACCGCGACTT	CCGCCGCCTT	GGTGCGGACA
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17101	GTGTACCGCA	GCGGGCGCGA	GCCTCTGACC	CTGCCGCGCG	CGCGCTACCA	CCCGAGCATC
17161	GCCATTTAAC	TCTGCCGTCG	CCTCCTACTI	GCAGATATGO	CCCTCACATG	CCGCCTCCGC
17221	GTCCCCATTA	. CGGGCTACCG	AGGAAGAAAG	CCGCGCCGTA	GAAGGCTGAC	GGGGAACGGG
17281	CTGCGTCGCC	ATCACCACCG	GCGGCGGCGC	GCCATCAGCA	AGCGGTTGGG	GGGAGGCTTC
17341	CTGCCCGCGC	TGATCCCCAT	CATCGCCGCG	GCGATCGGGG	CGATCCCCGG	CATAGCTTCC
17401	GTGGCGGTGC	AGGCCTCTCA	GCGCCACTGA	GACACAGCTT	GGAAAATTTG	TAATAAAAA
17461	TGGACTGACG	CTCCTGGTCC	: TGTGATGTGT	GTTTTTAGAT	GGAAGACATC	AATTTTTCGT
17521	CCCTGGCACC	GCGACACGGC	ACGCGGCCGT	TTATEGGCAC	CTGGAGCGAC	ATCGGCAACA
17581	GCCAACTGAA	CGGGGGCGCC	TTCAATTGGA	GCAGTCTCTG	GAGCGGGCTT	AAGAATTTCG
17641	GGTCCACGCT	CAAAACCTAT	' GGCAACAAGG	CGTGGAACAG	CACCACACC	CAGGCGCTGA
17701	GGGAAAAGCT	GAAAGAGCAG	AACTTCCAGC	AGAAGGTGGT	CCATCCCCTC	GCCTCGGGCA
17761	TCAACGGGGT	GGTGGACCTG	GCCAACCAGG	CCGTGCAGAA	ACAGATCAAC	AGCCGCCTGG
17821	ACGCGGTCCC	GCCCGCGGG	TCCGTGGAGA	TGCCCCAGGT	GCAGCACCAC	CTGCCTCCCC
17881	TGGACAAGCG	CGGCGACAAG	CGACCGCGTC	CCCATCCACA	CCACACCCCTC	CTGACGCACA
17941	CGGACGAGCC	GCCCCCGTAC	GAGGAGGCGG	TCAAACTCCC	TCTCCCCACC	ACGCGGCCCG
18001	TGGCGCCTCT	GGCCACCGGG	GTGCTGAAAC	CCACCACCAC	CACCCACC	GCGACCCTGG
18061	ACTTGCCTCC	GCCTGCTTCC	CGCCCCTCCA	CACTCCCTAA	CCCCCTCCCC	CCGGTGGCCG
18121	TCGCGTCGCG	CGCCCCCGA	GGCCGCCCCC	ACCCCA ACTC	GCCCC1GCCG	CCGGIGGCCG
18181	TCGTGGGTCT	GGGAGTGCAG	AGTGTGAAGC	CCCCCCCCTC	CTAGAGCACI	A CA COCORA CC
18241	GCTTAACTTG	CTTGTCTGTG	TCTATATCTA	TCTCCCCCC	CIAIIAAAAG	ACACTGTAGC
18301	GCCGAGTTGC	AAGATGGCCA	CCCCATCCAT	CCTCCCCCA	TCCCCCTT C	GAGGCGCGTC
18361	CGGACAGGAC	GCTTCGGAGT	ACCTCACTCCAT	CCCTCTCTC	CACMMCCCCC	TGCACATCGC
18421	CACCTACTTC	AGTCTGGGGA	ACA ACTOTOTO	GGGICIGGIG	CAGTTUGUU	GCGCCACAGA
18481	GACCACCGAC	CGCAGCCAGC	CCCTC A CCCT	CCCCMMCCMC	GIGGCGCCCA	CGCACGATGT
18541	CACCTACTCC	TACAAAGTGC	CCTACACGCT	CCCCCMCCC	CCCGTGGACC	GCGAGGACAA
18601	GGCCAGCACC	TACTTTGACA	TCCCCCCCCC	GGCCGTGGGC	GACAACCGCG	TGCTGGACAT
18661	CTCCGGCACC	GCCTACAACA	CCCCCCCCCCC	GCTGGATCGG	GGCCCCAGCT	TCAAACCCTA
18721	A A C C A A A C A C	A A TOTAL A COTO	GCCIGGCICC.	CAAGGGAGCG.	CCCAACACCT	CACAGTGGAT
18781	CCACATTACA	AÀTGGAACTG GAAGAGGGTC	MINAGACATA	CAGTTTTGGA	AATGCTCCAG	TCAGAGGATT
18841	A AUTUTUTUCCA	CAAGAGGGIC	TCCAAATAGG	ACCCGATGAG	TCAGGGGGTG	AAAGCAAGAA
18901	TATITICA	GACAAAACCT	ATCAGCCTGA	ACCTCAGCTT	GGAGATGAGG	AATGGCATGA
18961	ACCCACCANA	GCTGAAGACA	AGTATGGAGG	CAGAGCGCTT	AAACCTGCCA	CCAACATGAA
19021	ACCCIGCIAL	GGGTCTTTCG	CCAAGCCAAC	TAATGCTAAG	GGAGGTCAGG	CTAAAAGCAG
19021	TO CON A COM	GATGGCACTA	CTGAGCCTGA	TATTGACATG	GCCTTCTTTG	ACGATCGCAG
19141	CCCCCAMACC	AGTTTCAGTC	CAGAACTTGT	TTTGTATACT	GAGAATGTCG	ATCTGGACAC
19201	CCCGGATACC	CACATTATTT	ACAAACCTGG	CACTGATGAA	ACAAGTTCTT	CTTTCAACTT
19261	TOTAL TAGCAG	TCCATGCCCA	ACAGACCCAA	CTACATCGGC	TTCAGAGACA	ACTTTATCGG
19321	CAAMCCMCMC	TACAACAGTA	CIGGCAATAT	GGGTGTACTA	GCTGGACAGG	CCTCCCAGCT
19381	CMCMCMCCCCC	GTGGACTTGC	AGGACAGAAA	CACTGAACTG	TCCTACCAGC	TCTTGCTTGA
19441	CICICIGGGI	GACAGAACCA	GGTATTTCAG	TATGTGGAAC	CAGGCGGTGG	ACAGCTACGA
19501	CCCCGATGIG	CGCATTATTG	AAAATCACGG	TGTGGAGGAT	GAACTACCCA	ACTATTGCTT
19561	CCCITIGAAI	GGTGTGGGCT	TTACAGATAC	ATTCCAGGGA	ATTAAGGTTA	AAACTACCAA
19621	CATTCCCCAACA	GCAAATGCTA	CAGAGTGGGA	ATCTGATACC	TCTGTCAATA	ATGCTAATGA
19681	GAT 1 GCCAAG	GGCAATCCTT	TCGCCATGGA	GATCAACATC	CAGGCCAACC	TGTGGCGGAA
19741	CITCCTCTAC	GCGAACGTGG	CGCTGTACCT	GCCCGACTCC	TACAAGTACA	CGCCGGCCAA
	CATCACGCTG	CCCGCCAACA	CCAACACCTA	CGATTACATG	AACGGCCGCG	TGGTAGCGCC
19801	CICGCIGGIG	GACGCCTACA	TCAACATCGG	GGCGCGCTGG	TCGCTGGACC	CCATGGACAA
19861	CGTCAACCCC	TTCAACCACC	ACCGCAACGC	GGGCCTGCGC	TACCGCTCCA	TGCTCCTGGG
19921	CAACGGGCGC	TACGTGCCCT	TCCACATCCA	GGTGCCCCAA	AAGTTTTTCG	CCATCAAGAG
19981	CCTCCTGCTC	CTGCCCGGGT	CCTACACCTA	CGAGTGGAAC	TTCCGCAAGG	ACGTCAACAT
20041	GATCCTGCAG	AGCTCCCTCG	GCAACGACCT	GCGCACGGAC	GGGGCCTCCA	TCGCCTTCAC
20101	CAGCATCAAC	CTCTACGCCA	CCTTCTTCCC	CATGGCGCAC	AACACCGCCT	CCACGCTCGA
20161	GGCCATGCTG	CGCAACGACA	CCAACGACCA	GTCCTTCAAC	GACTACCTCT	CGGCGGCCAA
20221	CATGCTCTAC	CCCATCCCGG	CCAACGCCAC	CAACGTGCCC	ATCTCCATCC	CCTCGCGCAA
20281	CTGGGCCGCC	TTCCGCGGCT	GGTCCTTCAC	GCGCCTCAAG	ACCCGCGAGA	CGCCCTCGCT
20341	CGGCTCCGGG	TTCGACCCCT	ACTTCGTCTA	CTCGGGCTCC	ATCCCCTACC	TCGACGGCAC
20401	CTTCTACCTC	AACCACACCT	TCAAGAAGGT	CTCCATCACC	TTCGACTCCT	CCGTCAGCTG
20461	GCCCGGCAAC	GACCGCCTCC	TGACGCCCAA	CGAGTTCGAA	ATCAAGCGCA	CCGTCGACGG

00501						
20521	AGAGGGGTAC	AACGTGGCCC	AGTGCAACAT	GACCAAGGAC	TGGTTCCTGG	TTCAGATGCT
20581			' ACCAGGGCTT			
20641	GTACTCCTTC		TCCAGCCCAT			
20701			CCCTGGCCTA			
20761			AGGGACAGCC			
20821			. GCGTCACCCA			
20881	GCGCATCCCC	TTCTCCAGCA	. ACTTCATGTC	CATGGGCGCG	CTCACCGACC	TCGGCCAGAA
20941	CATGCTCTAC	GCCAACTCCG	CCCACGCGCT	AGACATGAAT	TTCGAAGTCG	ACCCCATGGA
21001	TGAGTCCACC	CTTCTCTATG	TTGTCTTCGA	AGTCTTCGAC	GTCGTCCGAG	TGCACCAGCC
21061	CCACCGCGGC	GTCATCGAGG	CCGTCTACCT	GCGCACGCCC	TTCTCGGCCG	GTAACGCCAC
21121	CACCTAAGCC	CCGCTCTTGC	TTCTTGCAAG	ATGACGGCCT	GTGCGGGCTC	CGGCGAGCAG
21181			CGACCTGGGC			
21241	AAGCGCTTCC	CGGGATTCAT	GGCCCCGCAC	AAGCTGGCCT	GCGCCATCGT	CAACACGGCC
21301	GGCCGCGAGA	CCGGGGGCGA	GCACTGGCTG	GCCTTCGCCT	GGAACCCGCG	CTCCCACACC
21361	TGCTACCTCT	TCGACCCCTT	CGGGTTCTCG	AACGAGCGCC	TCAAGCAGAT	CTACCAGTTC
21421	GAGTACGAGG	GCCTGCTGCG	CCGCAGCGCC	CTGGCCACCG	AGGACCGCTG	CGTCACCCTG
21481	GAAAAGTCCA	CCCAGACCGT	GCAGGGTCCG	CGCTCGGCCG	CCTGCGGGCT	CTTCTGCTGC
21541	ATGTTCCTGC	ACGCCTTCGT	GCACTGGCCC	GACCGCCCCA	TGGACAAGAA	CCCCACCATG
21601	AACTTGCTGA	CGGGGGTGCC	CAACGGCATG	CTCCAGTCGC	CCCAGGTGGA	ACCCACCCTG
21661	CGCCGCAACC	AGGAAGCGCT	CTACCGCTTC	CTCAACGCCC	ACTCCGCCTA	CTTTCGCTCC
21721			GGCCACCGCC			
21781	GTGTGTGTAT	GTGAATGCTT	TATTCATAAT	AAACAGCACA	TGTTTATGCC	ACCTTCTCTG
21841	AGGCTCTGAC		AATCGAAGGG			
21901	CAGGGATACG	TTGCGGAACT	GGTACTTGGG	CAGCCACTTG	AACTCGGGGA	TCAGCAGCTT
21961	GGGCACGGGG	AGGTCGGGGA	ACGAGTCGCT	CCACAGCTTG	CGCGTGAGTT	GCAGGGCGCC
22021	CAGCAGGTCG	GGCGCGGAGA	TCTTGAAATC	GCAGTTGGGA	CCCGCGTTCT	GCGCGCGAGA
-22081	GTTGCGGTAC	ACGGGGTTGC	AGCACTGGAA	CACCATCAGG	GCCGGGTGCT	TCACGCTCGC
22141	CAGCACCGTC	GCGTCGGTGA	TGCCCTCCAC	GTCCAGATCC	TCGGCGTTGG	CCATCCCGAA
22201			GCCGCCCCAT			
22261			GCATCATCTG			
22321	GGCCTTCATG	AAAGCCTCCA	GCTGGCGGAA	GGCCTGCTGC	GCCTTGCCGC	CCTCGGTGAA
22381	GAAGACCCCG	CAGGACTTGC	TAGAGAACTG	GTTGGTGGCG	CAGCCCGCGT	CGTGCACGCA
22441	GCAGCGCGCG	TCGTTGTTGG	CCAGCTGCAC	CACGCTGCGC	CCCCAGCGGT	TCTCCCTCAT
22501	CTTGGCCCGG	TCGGGGTTCT	CCTTCAGCGC	GCGCTGTCCG	TTCTCGCTCG	CCACATCCAT
22561	CTCGATCGTG	TGCTCCTTCT	GGATCATCAC	GGTCCCGTGC	AGGCACCGCA	CCTTCCTCTC
22621			GCCACAGCGC			
22681			CGAAGCCCTG			
22741	CTTGTTGCTG	GTGAAGGTCA	GCGGGATGCC	GCGGTGCTCC	TCGTTCACAT	ACACCTCCCA
22801	GATGCGGCGG	TACACCTCGC	CCTGCTCGGG	CATCAGCTGG	AAGGCGGACT	TCACCTCCCT
22861	CTCCACGCGG	TACCGGTCCA	TCAGCAGCGT	CATGACTTCC	ATCCCCTTCT	CCCACCCCCA
22921	AACGATCGGC	AGGCTCAGGG	GGTTCTTCAC	CGTTGTCATC	TTACTCCCCC	CCCACCACCT
22981	CAGGGGGTCG	TTCTCGTCCA	GGGTCTCAAA	CACTCGCTTG	CCGTCCTTCT	CCATCATCC
23041	CACGGGGGGG	AAGCTGAAGC	CCACGGCCGC	CACCTCCTCC	TCGGCCTGCC	TTTTCTTCCTC
23101	GCTGTCCTGG	CTGATGTCTT	GCAAAGGCAC	ATCCTTCCTC	TTCCCCCCCTT	TITCGICCIC
23161	CGGCAGAGGC	GGCGGCGGAG	ACGTGCTGGG	CCACCCCCAC	TIGCGGGGII	TCITITIGGG
23221	ттСттСттСт	TGGCCGTCGT	CCGAGACCAC	CCCCCCCTAC	CCATCCCTCA	TCTCCCCCAC
23281	AGGCGGAGGC	GACGGGCTCT	CGCGGTTCGG	CCCCCCCCTC	CCACACCCCC	TCIGGGGCAG
23341	GGGGGTGCGC	TCCTGGCGGC	GCTGCTCTGA	CAGGCGGCTG	CCCCCCCCCC	TICCGCGTTC
23401	CTCCTAGGGA	CCAACAACAA	GCATGGAGAC	TCACCCATCC	TCCCCA A CAM	CCATTGTGTT
23461	CCCCGCCGCC	GACGAGAACC	AGCAGAATGA	7 A CCAMO A CC	TCGCCAACAT	CGCCATCTGC
23521	CTCCGACGCC	GCGCCCCAC	ACATGCAAGA	CATCCACCA	TO CATOCA CA	MMCA CCTCCAC
23521	CTACCTCACC	CCCCCCAG	ACA1GCAAGA ACGAGGAGGA	CCTCCCACCA	CCCMTCGAGA	TIGACCIGGG
23641	GAACCACCAA	CACCACCCAC	ACGAGGAGGA	GC I GGCWGCG	CACAACCACC	CCCCGGAAGA
23701	CCATCCCAC	TACCTCACCAG	GGGCAGAGGA		AAGAACCAGG	CIGGGCTCGA
23761	CATCATCGTC	A A CCA CCCCC	TGCTCGACCG	CGTGCTCATC	AAGCATUTGA	TOUGUCAATG
23701	CACCCCCCC	TARGARCGCGC	ACCTCTTCTC	CCCCGAGGTG	CCCCTCAGCG	TGGCGGAGCT
23881	CGGCACCTGC	CACCCCAACC	CGCGCCTCAA	CUMPOND CCCC	CTCCCCCAAGC	MCCCAGCCCAA
20001	CGGCACCIGC	JUMMJJJJERE	CGCGCCTCAA	CITCTACCCG	GIGITUGGG	TGCCCGAGGC

02041	GGEGGGG A GG			~~~~~~		
23941			TTTTCAAGAA			
24001			TGCTCAACCT			
24061			AGATCTTCGA			
24121	GAACGCTCTG	CAAGGAAGCG	GAGAGGAACA	TGAGCACCAC	AGCGCCCTGG	TGGAGTTGGA
24181	AGGCGACAAC	GCGCGCCTGG	CGGTGCTCAA	GCGCACGGTC	GAGCTGACCC	ACTTCGCCTA
24241			CCAAGGTCAT			
24301			ACATGCAGGA		TCGGACGAGG	
24361			CGCGCTGGCT			
24421			TGGCCGTGGT			
24481			AGACCCTGCG			
24541			AGGCCTGCAA			
24601						
24661			ACGAGAACCG			
			ACTACATCCG			
24721			TGTGGCAGCA			
24781	CTGCAAGCTC		ACCTCAAGGC			
24841			TCATCTTCCC			
24901	GCTGCCCGAC		AAAGCATGTT			
24961			CCTGCTCCGC			
25021	CCGCGAGTGC	CCCCCGCCGC	TCTGGAGCCA	CTGCTACTTG	CTGCGCCTGG	CCAACTACCT
25081	GGCCTACCAC	TCGGACGTGA	TCGAGGACGT	CAGCGGCGAG	GGTCTGCTGG	AGTGCCACTG
25141	CCGCTGCAAC	CTCTGCACGC	CGCACCGCTC	CCTGGCCTGC	AACCCCCAGC	TGCTGAGCGA
25201			TCGAGTTGCA			
25261	GAAACTCACC		GGACCTCGGC			
25321	CCATCCCTTC				CCGCCCAAGG	
25381			GGGCCATCCT			
25441			AGGGCCACGG			
						AAAGTGGAGC
25561			GAGGAAGACT			
25621						
			GCAGAGGAGG			
25681			GCAGAGGAAG			
25741			GATACCATCT			GGCGGCCGGG
25801		GTGGGACGAG			CACCACCCAG	ACCGGTAAGA
25861	AGGAGCGGCA		TCCTGGCGGG			TCCTGCTTGC
25921	AAGCCTGCGG	GGGCAACATC	TCCTTCACCC	GGCGCTACCT	GCTCTTCCAC	CGCGGGGTGA
25981		CAACATCTTG		GTCACCTCCA		TACTGTTTCC
26041			CAGCAGCAGA			
26101	TCCACAGCGG	CAGGTGGACT	GAGGATCGCG	GCGAACGAGC	CGGCGCAGAC	CCGGGAGCTG
26161	AGGAACCGGA	TCTTTCCCAC	CCTCTATGCC	ATCTTCCAGC	AGAGTCGGGG	GCAGGAGCAG
26221	GAACTGAAAG	TCAAGAACCG	TTCTCTGCGC	TCGCTCACCC	GCAGTTGTCT	GTATCACAAG
26281	AGCGAAGACC	AACTTCAGCG	CACTCTCGAG	GACGCCGAGG	CTCTCTTCAA	CAAGTACTGC
26341	GCGCTCACTC	TTAAAGAGTA	GCCCGCGCCC			
26401			CCGACCATCA			
26461			ATGGGTCTGG			
26521			GGGCCCGCGA			
26581			GAACAGTCAG			
26641			GCCCTGGTGT			
26701			GCCGAAGTCC			
26761						
			CACCGCCCCG			
26821			GACGAGGTGG			
26881			TCGGGGAGAT			
26941			CAGCCCCGCT			
27001			TACTTCAACC			
27061			GACGCCATCA			
27121	CCCATGGTGG	CGCAGCTGAC	CTAGCTCGGC	TTCGACACCT	GGACCACTGC	CGCCGCTTCC
27181			GCCGAGTTTG			
27241	AGGGCCCGGC	CCACGGAGTG	CGGATCATCA	TCGAAGGGGG	CCTCGACTCC	CACCTGCTTC
27301	GGATCTTCAG					

273 61 TGPACTGCAT CTGCAACCAC CCCGGCCTGC ATGAAACTCT TGTTGTTCTC CTGCTATC 274 81 ACCGGTCC TGTTCTTCAC CGGGACGAG ACCGAGCTC AGCTCCAGTG TAAGCCCCAC 275 11 AACAGAGTAC TCCACCTGGT GTTCCAGGGT TTTCCACCGT TAAGCCCCAC 276 11 CTCCAGCCTT TCCACCCGT CTCCTCCCGGG ACCTACTG CCCTTCTCAG CAGGACGAG 276 61 CTCCAGCCTT TCCAACCGT CTCCTCCCGGG ACCTACTG CCCTTCTCAG CAGGACGAG 277 21 CACACCTTC ACCTGATCC GAATACCAC GCGCCCTC CCCCTCTCGG ACCACCAGGA 278 41 GCGGGCCTC CACCTGATCC GAATACCAC GCGCCCTC CCCCTCGGG ACCACCAGGA 279 11 TAATACCC GAATACCAC ACCTCTCT TTTGATCA TACCTCCCG CACACCAGA 279 11 TAATACCC GAATACCAC ACCTCTGG ACCTTCTG TTTTGATCA TACCTCCCT ATACCTCCCT 279 51 TCCTTTCGT ACTTTGTGT CTTGTTTGCTT TTTTGATTCA CACCCCGAACACCACA 280 21 TCACTCTCG ACTTGGTC CGTTCTTGCT TTTTGATTCA TACCACCACA ACCCCTAC 281 41 GTTTCACCC CACTGGGAT CGGTGTCCC TTTTGATT TTTGATTCA TCCACCACATA TCCCCGGAAC 282 61 TCACTCTCGT ACTTGGTC GATCCTCCT TCCATTTCA TCCCACCACAA TCCCCGACCCAA 282 61 TCACTCACCA ACCCCACACACAC CGATGCACACACACACACACACACACACACACACACACAC							
274.81 ACCGGTCCC GETTCTEAC CGGGAGGG ACCACGGGG TATCCAGGGC TATCCAGGT CACGTGGATC CACGTGGAC CACGTGGAC CACGTGGAC CACGTGGAC CACGTGGAC CACGTGGAC CACGTGCCC CACGTTACTT TTTCCACCGC CAGAGCAC CACGCCTTCC CACGCCTCCC CACGTCCTCC CACGTCCTCC CACGTCCTCC CACGTCCTCC CACGCCTCCC CACGCCTCCCC CACGCCTCCC CACGCCCCCCCC CACGCCCCCCCC CACGCCCCCCCC CACGACCCC CACGACCCC CACGACCCC CACCACCCCC CACCACCCCC CACCACCCCC CACCACCCCC CACCACCCCC CACCACCCC CACCACCCCCCCCCCCCCC CACCACCCCC CACCACCCCC <	27361	TGTACTGCAT	CTGCAACCAC	CCCGGCCTGC	ATGAAAGTCT	TTGTTGTCTG	CTGTGTACTG
275 41 AGGAGGGG TOCIGGGGG CGGCCGCCCC ACCTRACT CTCCAGCTCT CCCTCCCGGG ACCTRACT CCCTCCAGGCACT CCTCCAGGGCT CCTCCAGGGCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	27421						
276 61 AGGAGGGG TOTGCGGGGG COCGCCGGG ACCTATCACT TTTCCACCGC CAGACCTTC CCCACCGTC CAGCACCTCC CAGACCTTCC CAGCACCTCC CAGACCTTCC CAGACCTTCC CAGACCTTCC CAGACCTTCC CAGACCTTCC CAGACCTTCC CAGACCTTCC CAGACCTTCC CAGACCTTCC CAGCCTTCC CAGCCTTCC CCGCTACTACGA ATTACTACCAC CACACCTGGG CAGACCTTCC CTTTTGGCTC CTTCGGGGG CACACCTGGG CATACCTCTC TTTGGGTTCC TTTGGGTTCC TTTGGGTTCC TTTGGGTTCC TTTGGGGGG CGGCGGCTCC CACACCTGGG CTTTTGGCTC TTTGGATTCA ATACCTCCTC CTGGGGGGC CGGCGGCTCC CAGTCGGGC CACCTGGGG CACCTGCCC CAGTCGGGC CACCTGCCC CACCTGGGC CACCTGCCC CACCTGGCC CACCTGCCC CACCTGCCC CACCTGCCCC CACCTGCCCCCACCCACCCCC CACCTGCCCCCCACCCACCCCCCCCCCCCCCCCCCCCCC	27481	AACCGGTCCC	TGTTCTTCAC	CGGGAACGAG	ACCGAGCTCC	AGCTCCAGTG	TAAGCCCCAC
276 61 CTCCAGCTET CCCAACCTT CCCCCGGG ACCTATCACA GCGCCGTCC CCGTACTAA CAACCAACT 277 81 ACCCACCACC GCACCGTCG GAACCTCCACA GCGCGCTCC CCGTACTAA CAACCACCT 278 41 ACCCACCACG GAGTCCACC GAACCTCTGG ATTACACCAC GCCCCTGGGA GGTGGTGGG 279 01 TTAATAGCC TAGGCCTAGT TGTGGGTGG CTTTTTGCTC TCTCCTACCT ATACCTCCCT 279 61 TGCTGTTCGT ACTTAGTGGT GCGTGTTTGC TTCTGCTTC TCTCCTACCT ATACCTCCCT 280 21 TGAGCTCGGG TGTGCTGGTG GCGGTGTTGC TTCTGATTTG ATACGTCCCT 280 21 TGAGCTCGGG TGTGCTGGTG GCGGTGTTGC TTCTGATTTG TCCGCGACCAA TCCCGGCGCGC 281 21 TGTTCAGCC GAAGGAAGCC GATCCACCT TCCATTCAA TCCCGACCAA TCCCGGCACCG 282 21 TGAATAATAC CTCACTTTT GCGCACCAC GCGACGGGTC GAGGGAAAAAC CGGGACACGGT TCTGCGTTC GATCGCACCAC 283 21 TGAATAATAC TTCACTTTT GCGCACCAC GCGACGGGTC TCCGGCACCG AGGGGAAAAAC ACGGACAGGT CACGTGCACC CACGACGACGG AGGGAAAAAA TCCCAGCACAC ACGCACACACACACACACACACACACACA	27541	AAGAAGTACC	TCACCTGGCT	GTTCCAGGGC	TCTCCGATCG	CCGTTGTCAA	CCACTGCGAC
277.21 CACACCITIC ACCIGATCIC GARRACCACA GGGCGCTCC CCCCTACTAA CAACCACAGGA 278.41 GGCTGGGCCC GAGGTGGAC AACCTCTGGG ATTTACTACG GCCCCTGGGA GGTGGTGGG 279.01 TTAATAGCGC TAGGCCTAGT TGTGGTGGG CTTTTGGTTC TCTGCTACCT ATACCTCCT 279.61 TGAGGTTGGT TGTGCTGGTG GCGTGTTTCC TGGTTTAAGA AATCGGGGAAG ATCACCCTAG 280.21 TGAGGTTGGG TGTGCTGGTG GCGGTGTTTCC TGGTTTAAGA AATCGGGGAAG ATCACCCTAG 280.81 TAGGTGAAGG GGGAAGGCC GATCCCTGCT TGCATTTCAA TGCGGACAGGC 281.41 GTTTTCAGCC CGATGGCAAT GGGTGCACGG TGCTGATCAA GTCCGGACAGA 282.01 ACGTGAGGAAT CGAGTGACAAT AACAGACCT GGAACAATAC TCTCCGGCCAA 282.01 ACGTGAGGAAT ACCAGACATC GGAACAATAC TCTCCGGCCAC 282.01 ACGTGAGAAT ACCAGCACT TCCCACCAA TCCCGGCCAC 282.01 ACGTGAGAAT ACCAGCCCC TCCCCCCCCC 282.01 TGAATAATAC TTCCATTTTT GCCCCACATGT GCGACCGGC TAGCGGCTC CCGCGCCCC 282.01 CCGGGGACC CCGAGTGGTAC ACCGTCTCTG TCCCGGTGC TGACGGCTC CCGCGCCCC 282.01 CCAGGACATAA TCTCCATTTTT GCCCCACATGT GCGACCGGT CATGCGAGTG 283.21 TGAATAATAC TTCCATTTTT GCCCACATGT GCGACCGGT CATGCGAGTG 284.41 GCGACGGCC TCTGTTACCT TCCCTTTCCATTCCATCGCT TACACCGTT 285.61 CCACGAGAATAA TGCCGGAAAAA GAGGAAACAC CATACCACCT TTTTCCACTCGCT 285.61 CCACGAGACAATAA TGCCGGAAAAA CAGGTTTTATC TTCTTTTCACCC CACCTTTTTCCA 286.28 TTTTTCACACTA AATACCCGCT ATGACACCGT TTTTTTCACACCACCACCT ATGACCACCG TACACCCTC 286.28 TTTTTCACACTA CATACCACCT ATGACCACCT TTTTTTCACTC TCCGTGGCA CACCCTCTGCTGGCA CACCACCGCC ATGACCACCG 286.28 TTTTTCACACTA CATACCACCACACACCACCACCACCACCACCACCACCACC	27601	AACGACGGAG	TCCTGCTGAG	CGGCCCTGCC	AACCTTACTT	TTTCCACCCG	CAGAAGCAAG
278 41 ACCACCAGE GCACGETG GGACCTTTC TTGAATCTA ATACTACCAC CACACGGA 279 01 TTAATAGCGC GAGGTGAGCAC CACACTGGG ATTTACTTAC GCCCCTGGGA TGGTGTGGGG C79 01 TGCTTTTGT TTGATTAGTGGT CTCTGCTACCT ATACCTCCT 279 61 TGCTTTTGT TGCTTTGTTGT CTCTTAGTGTGT CTCTGATTGTTGT TGCTTTTGT TGCTTTGTTGT TGCTTTTGTTGT TTGACTTGGGTGG GCGCTGGTGGTG GCGGTGTGGTGGTGGGAG ATCACCTTGCT TGCTATAGTGGT GTGTGTGTGT GCTGTTTGATTGT GGGACTGGGC GGCGCGGCTC 280 281 14 TGGTGAAGGA GGGGAAGGCC GATCCCTGCT TGCATTTCAA TCCCGACAAA TGCCGCGTCG AAAGTGTCAGA ACAGCACT GCGGCACCGC GGATGGAAT GCGCGCACGC GGCGCCCCCGAGTGGAAT GCGGCACGCT GGACCAATC GCGACCACGT CACGACCACC CGAGTGGAAT ACAAGCACT GCGACACAATC TCCCGGGTC GTGTGGCACC CGGCGCCCCCC 283 21 TGAATAATAC TTTCATTTT GCCCACACAC TCCCGGTCC TACGCGCTCC GCGCGCCCCCC 283 21 TGAATAATAC TTTCATTTT GCCCACACTC CCCGCGCCCCCC CAGGTGCTAC ACCCCCCACG AAGGACAATC TCCCGGTCC TACGCCTCC CCCGCCCCCC 285 21 TCTTTCACCC TACCCCACC AAGGACAACACC CATACACCGT TTTTTCACCAC ACCTTTTCCC CCTAAAAACACC TTTTCACCAC AACCACCCA TACACCCCA T	27661	CTCCAGCTCT	TCCAACCCTT	CCTCCCCGGG	ACCTATCAGT	GCGTCTCGGG	ACCCTGCCAT
278 41 GSTGAGCTCC GAGGTGACC AACCTCTGGG ATTTACTAGG GCCCCTGGGA GGTGGGGGGCT 279 61 TGAGTAGGGC TAGGCCTAGT TGTGGGTGGGGGGGTTTGGCTC TCTGCTACCT ATACCTCCCTAG 280 21 TGAGCTGCGG TGTGCTGGTG GCGGTGTTGC TTGCATTGT GGGACTGGGC GGGCGGCTG 280 81 TAGTGAAGGA GGGAAGGCC GACCCTGCT TCCATTCTAA TCCCGACCAAA TGCCAGCCTAA 281 41 GTTTTCAGCC CGATGGCAAT GGGGGCACGG TGCTGATCAA GTCCCGACCAAA TGCCAGCCTAA 282 61 CGGGGGACC CGAGTGGCAAT ACACAGCTC GGACCAGTC TCCCGGCTCG TGCGGCTC 282 61 CACGACAATAC CATTCAATTTT GCCCACCAAA TGCCAGCCTAA 283 21 TGAATAACA TTTCATTTTT GCGCACCAG TCCTGCGTCC CCGCGCCCC 283 21 TGAATAACA TTTCATTTT GCCCACCAAA TGCCAGCCTC 284 41 GCACGGCGCT AATCACCGCT ATCGTGTCCT CCCCGGTCC TACCGGCTCC CCGCGCACCG 285 21 CCACAAATAA TCCCGAAAAA GCAAAACAC CTGCTCTCT CCCCATCGT TCCCCGTCTCT 284 41 GCACGGCCC AATCACCGCT ATCGTGTGCCA CCCCACGTCC 285 21 CCACAAATAA TCCCGAAAAA GCAGAACAGC CTATCACACCT TCTTCACCCCTCT 285 21 CCACAAATAA TCCCGAAAAA GCAGAACAGC CTATCACACCT TCTTCACCCCCT 285 21 CCACAAATAA TCCCGAAAAA GCACAATAA TTTTTTCACACCT TCCCCATCGC 285 21 CTTTCACCACCA AAAGACCC CTATTCATC TCCCATCGCT TACACCCTTTCCC 285 21 CACACTGGCC TCTGTTACTG CCCCAAATAAA TTTTTTCACACCT TTTTTCACACCAC ATCACACCT ATAAACAAAA CTGTTTATCC TCGTCTTACA CCTTTTTCACACCACA AAAGATTCAT CAAACACCCA TAAACCACCA TAAACCACCA AAACACCCA TAAACCACCA TAAACCACAAA CTGCTCACACTAC TCCGGCACCAC 287 41 CAACGGCACA AAAGACCAC TAAACCCACAA TCCAACACACACACACACACAC	27 7 21	CACACCTTCC	ACCTGATCCC	GAATACCACA	GCGCCGCTCC	CCGCTACTAA	CAACCAAACT
779 61 TRATAGGG TAGGCTAGT TGTGGGGGG CTTTTGGCT TCTGCTACCT ATACCTCCT TGCGT96 ACTLAGTGGG CGTGTTGG CTTGTGTTTGC TGTGTTAGA AARGGGGAAG TCACCCTAG TGCACCTAG TGCACCTAG GTGCCTGGT GCGGTTGG TTTCGATTGT GGGATGGC GGGGGGGTG GARGGGGAGGGC GATCCTGCT TGCATTTCAA TCCCGACAAA TGCCGGTGAGA GGGGAGGGCC GATCCTGCT TGCATTTCAA TCCCGACAAA TGCCGGTGAGA GGGGAGGGCC GATCCTGCT TGCATTTCAA TCCCGACAAA TGCCGGTGAGAGAC CGGGATGCAAA AACAAGACTC GGAACAATAC TCTCCGGTGC GTGTGGCAAC GATCCACCACC GAGTGCGAAC GGACCACCC GGAGGGTGCAC CGGGTGCACC GGAGGGTGC CGGGGACCC GAGGGGTGC CGGGGACCC GAGGGGTGC CGGGGACCC GAGGGGTGC CGGGGACCC GAGGGGACC CGGGACACCT GCGACACGT CATGGGATG GCCCCCACCAC AAGAACACT GGACACCGT CATGGGATG ACCACCACCAC AAGAACAAC TCCCGGGGACC TACCACCGCT ATCACCCCT ATCACCCC AACAACACCT TTTTTGGAC CCCAAAAAAA CTGCCACACAC AACAACACCT TTTTTTGGGT CTCTACCACC ACCTTTTTCA CCCAAAAAAA CTGCCACAAAAAA CTGTTTATAC TGTTTTTTTTTT	27 7 81	ACCCACCAAC	GCCACCGTCG	CGACCTTTCC	TCTGAATCTA	ATACTACCAC	CCACACCGGA
779 61 TRATAGGG TAGGCTAGT TGTGGGGGG CTTTTGGCT TCTGCTACCT ATACCTCCT TGCGT96 ACTLAGTGGG CGTGTTGG CTTGTGTTTGC TGTGTTAGA AARGGGGAAG TCACCCTAG TGCACCTAG TGCACCTAG GTGCCTGGT GCGGTTGG TTTCGATTGT GGGATGGC GGGGGGGTG GARGGGGAGGGC GATCCTGCT TGCATTTCAA TCCCGACAAA TGCCGGTGAGA GGGGAGGGCC GATCCTGCT TGCATTTCAA TCCCGACAAA TGCCGGTGAGA GGGGAGGGCC GATCCTGCT TGCATTTCAA TCCCGACAAA TGCCGGTGAGAGAC CGGGATGCAAA AACAAGACTC GGAACAATAC TCTCCGGTGC GTGTGGCAAC GATCCACCACC GAGTGCGAAC GGACCACCC GGAGGGTGCAC CGGGTGCACC GGAGGGTGC CGGGGACCC GAGGGGTGC CGGGGACCC GAGGGGTGC CGGGGACCC GAGGGGTGC CGGGGACCC GAGGGGACC CGGGACACCT GCGACACGT CATGGGATG GCCCCCACCAC AAGAACACT GGACACCGT CATGGGATG ACCACCACCAC AAGAACAAC TCCCGGGGACC TACCACCGCT ATCACCCCT ATCACCCC AACAACACCT TTTTTGGAC CCCAAAAAAA CTGCCACACAC AACAACACCT TTTTTTGGGT CTCTACCACC ACCTTTTTCA CCCAAAAAAA CTGCCACAAAAAA CTGTTTATAC TGTTTTTTTTTT	27841	GGTGAGCTCC	GAGGTCGACC	AACCTCTGGG	ATTTACTACG	GCCCCTGGGA	GGTGGTGGGG
280 21 TGGTTTCGT ACTRAGTGGT GCTGTGTTGC TGGTTTAAGA AATGGGGAAG ATCACCCTAG 280 81 TGGGTGGGG TGTGCTGTGGT GGGGTGTTGC TTTCGATTGT GGGACTGGG GGGGGGGCTG 280 81 TAGTGAAGGA GGACAGACC GATCCCTGCT TGCATTCAA TCCCGACAAA TGCCAGCTGA 281 41 GTTTCAGCC CGATGGCAAT ACAGAGCTG TGCTGATCAA GTCGGGATGG GAATGTGACA 282 61 ACGTGGGAAT CGAGTGCAAT AACAAGACTG GGACCAGATA TCTCGCGTCC GTTGGCCAC 282 61 TGGATAATAC CGAGTGGAACA ACCGTCTCTG TCCCCGGTGC TGCAGCGCCC CGCGGACCG 283 21 TGGATAATAC TTTCATTTTT GCGCCACATGT GCGACCAGGT CATGTGGGAT AGCAAGCAGT 283 41 GCACGGCGT AATCACCGC AAGGAGAACA TCGTGGTCT CTCCATCCCT TCCAGCGGTC 284 41 GCACGGCCT AATCACCGC AGGAGAACA TCGTGGTCT CTCCATCCCT TCCAGCGTT 285 61 GCCCCCCACG AAGGAGAACA CCTTTTCA CATGCTCAC CCTGTTGCC 285 61 GACCATGCC TCTGTTACTG CCCTAATTAT TTTTTTTGGGT CTCTGTGGCA CTGGCACCAG 287 41 CAAGGGTCAT ATAAACAAAA CTGTTTTTAT TTTTTTTGGT CTCTGTGGCA CTGGCACCAC 287 41 CAAGGGTCAT ATAAACAAAA CTGTTTTTAT TTTTTTTTTT	27901	TTAATAGCGC	TAGGCCTAGT	TGTGGGTGGG	CTTTTGGCTC	TCTGCTACCT	ATACCTCCCT
280 81 TAGTGAAGGA GAGGAGAGCC GATCCCTGCT TECATTTCAA TCCCGACAAA TGCCAGCTGA 282 01 CTTTCAGCC GAATGGCAAT CGCGACTGC TGCTGATCAA GTGCCGACGG GAATGTGAGA 282 01 ACGTGAGAAT CAGATCAAT AACAAGACTC GGAACAGTA TCCCGGGTCC CGCGCACGG 283 21 TGAATAATCA TTTCATTTTT GCGCACACTGT TCCCCGGTGC CTGTGGCACACGGT TAGACGACTCT TGAACAATCA TTTCATTTTT GCGCACACTGT GCGACACGGT CATGTGGGAT GCAACAGGT 283 41 GCACGGCGCTC AACGCACCGCA AAGGACACACT CAGCGACACGGT CATGTGGAT ACCACCGCT AACGACCGCACACGG CATGTGGCA CATGTCGCT TCCAGCGGTTC 284 41 GCACGGCGCTC AACGACCGCA AACGACACACT CAGCACTCAC CATGCTCACT GCATTTCGCC 285 01 CACAGGCCTC AACACACCGC AACGACACGC CATAACACCT TTTTCACAC ACCTTTTCA 285 21 TTTTCAGCA AACATTCAT GCCACAATA TTTTTTTTTT	27961	TGCTGTTCGT	ACTTAGTGGT	GCTGTGTTGC	TGGTTTAAGA	AATGGGGAAG	ATCACCCTAG
280 81 TAGTGAAGGA GAGGAGAGCC GATCCCTGCT TECATTTCAA TCCCGACAAA TGCCAGCTGA 282 01 CTTTCAGCC GAATGGCAAT CGCGACTGC TGCTGATCAA GTGCCGACGG GAATGTGAGA 282 01 ACGTGAGAAT CAGATCAAT AACAAGACTC GGAACAGTA TCCCGGGTCC CGCGCACGG 283 21 TGAATAATCA TTTCATTTTT GCGCACACTGT TCCCCGGTGC CTGTGGCACACGGT TAGACGACTCT TGAACAATCA TTTCATTTTT GCGCACACTGT GCGACACGGT CATGTGGGAT GCAACAGGT 283 41 GCACGGCGCTC AACGCACCGCA AAGGACACACT CAGCGACACGGT CATGTGGAT ACCACCGCT AACGACCGCACACGG CATGTGGCA CATGTCGCT TCCAGCGGTTC 284 41 GCACGGCGCTC AACGACCGCA AACGACACACT CAGCACTCAC CATGCTCACT GCATTTCGCC 285 01 CACAGGCCTC AACACACCGC AACGACACGC CATAACACCT TTTTCACAC ACCTTTTCA 285 21 TTTTCAGCA AACATTCAT GCCACAATA TTTTTTTTTT	28021	TGAGCTGCGG	TGTGCTGGTG	GCGGTGTTGC	TTTCGATTGT	GGGACTGGGC	GGCGCGGCTG
282 61 ACCIGGAGAAT CGAGTACAAT AACAAGACTC GGAACAATAC TCTCGCGTCC CGTGCCACCG 283 21 TGAATAATAC TTTCATTTTT GGCCACATGT TCCCCGGTGC TGAGGGCTCC CCGCCACCG 283 21 TGAATAATAC TTTCATTTTTT GGCCACATGT GCGACAGGT CATGTGGAT ACCAAGCAGT 283 81 ACCACAGCGT AATCACCGCT ATGTGTGTGCC TGAGGGTTCT CCCATCGCT TACAGCGTT 284 41 GCACGGGGCT AATCACCGCT ATGTGTGTGCC TGAGCATTCA CATGCATT TACAGCGTTT 285 61 GCACGAGGCT TATCACCGCT ATGTGTGTGCC TGAGCATTCA CATGCATT TACAGCGTTT 285 61 GCACGAGGCT TATAACAAA CTGTTTATC TGAGCAGCAC 285 61 GACCATGGCC TCTGTTACTG CCCTAATTAT TTTTTTGGTT TCTGTGTGGC TCAGCAGCAC 286 21 TTTTCAGCAT ATAAACAAAA CTGTTTATC TGGTTCTAAT TCTGTTATAT CTGGCGCATCA 286 21 TTTTCAGCAT ATAAACAAAA CTGTTTTATC TGGTTCTAAT TCTGTATTAC CTGGCGCATCA 287 41 CAAGGGTCAT CAAACACCA TAAACCGTA TGGATATTAT TTTCAATTA ACCACCAG AAAGTTTCAT GGTACTGGTA TGGATATTAT TTTAAATGTA ATCATAATAA 288 61 CATAAACACA CTTTCAATTA CAAAGCACTA TACACTCTG 289 21	28081						
283 21 TGARTARIAC TITCATTIT GCGCACATGT CCCCCGATG CAGGGCTC CCGCGCACGG 283 81 ACGATATGTG GCCCCCACG AAGGAGAACAGT CATGTGGAT AGCAAGCGT 284 41 ACGATATGTG GCCCCCACG AAGGAGAACAGT CATGTGGAT AGCAAGCGT 285 41 ACGATATGTG GCCCCCACG AAGGAGAACAGT CATGTGGAT AGCAAGCGT 285 41 ACGATATAA TGCCGAAAAA GAGAACAGC CATAACACAGT TITTTCACAC ACCTITTTCA 285 61 GACCATGGC TCTGTTACTG CCTAATTAT TTTTTTGGGT CTCGTGGGCA CTAGCAGCAC 286 21 TITTCAGCAT ATAACAAAA CTGTTTATGC TGGTTCTAAT TCTGTATTAC 286 21 ACCACACCAC AAAGTTCAT GCGTACTGGT TGGTTCAAT TCTGTATTAC 287 41 CAGAGACCAC AAAGTTCAT GGTACTGGT TGGAAAAAAA ACCACCCAC 288 61 ATAACACACA CAAACACCC TAAACACCCT TTTTAAAGTAT AACACCCAC 288 61 ATATACACACA CAAACACCCA TAAACCACTA TTTTTAAAGTAT AACACCCAC 289 21 TAATACACACA CAAACACCCA TAAACCCACA TTTTTAAAGTAT AACACCCACA 289 21 TACAAAACCC ACAACCACTA AGAGGCACA TTTTTTTTTT	281.41	GTTTTCAGCC	CGATGGCAAT	CGGTGCACGG	TGCTGATCAA	GTGCGGATGG	GAATGTGAGA
283 21 TGAATAATAC TTTCATTTT GCGCACAGGT GCACAGGT CATGTGGATG 284 41 GCACGGGGCT AATCACCGCT ATCGTGTCTT CTCCATGCT TACAGCGTGT 285 61 GCACGGGGCT AATCACCGCT ATCGTGTCCC TGAGCATTCA CATGCTCATC GCTATTCGCC 285 61 GACCATGGCC TCTGTTACTG CCCTAATCACT TTTTTCAGGC ACCTTTTCA 285 61 GACCATGGCC TCTGTTACTG CCCTAATCATT TTTTTTGGGT CTCGGCA CACCTTTTCA 286 21 TTTCAGCAT ATAAACAAA CTGTTTATGC TGGTTCTAAT TCTGTATTAC CTGGGCATCA 286 21 TTTTCAGCAT ATAAACAAA CTGTTTATGC TGGTTCTAAT TCTGTATTAC CTGGGCATCA 286 21 CAAGGGCTAC CAAACACCCA TAAACCGTAG TGGAATTTTT TTTAAATCTA ACCACCCA 287 41 CAAGGGCTAC CAAACACCCA TAAACCGTAG TGGAATTTTT TTTAAATCTA ACCACCTCT 287 41 CAAGGGCACA CAACACCCA TAAACCGTAG TGGAATTTTT TTTAAATCTA ACCACCCA 288 21 TATTACACTA CTTCCAATTA CAAAGCACTA TTCTGGTACT CCAACTACTC CAACACTCCA 289 21 TAAACAAC ACTACGACCA CACACTACT AGAGGCCACC AGACTACT CAACCACCCA CACACCACCACCACACCA	28201	ACGTGAGAAT	CGAGTACAAT	AACAAGACTC	GGAACAATAC	TCTCGCGTCC	GTGTGGCAAC
283 81 ACGATATER GCCCCCAC AAGGAGACA TCEREGITT CTCCATCGCT TACAGCGTET 284 41 GCACGGCGCT AATCACCGCT ATCGTETGCC TGAGCATTCA CATGCTCATC GCTATTCGCC 285 01 CCAGAAATAA TGCCGAAAAA AGGAAACAGC CATAACACGT TITTCACAC ACCTITTTCA GCCACAATAA TGCCGAAAAAA AGGAAACAGC CATAACACGT TITTCACAC ACCTITTTCA GCCACACACACACACACACACACACACACACACACAC	28261	CCGGGGACCC	CGAGTGGTAC	ACCGTCTCTG	TCCCCGGTGC	TGACGGCTCC	CCGCGCACCG
284.41 GCAGGGCGT ATCACCGCT ATCGTGTGCC TGAGCATTCA CATGCTCACC 285.61 GACCATGGCC TCTGTTACTG CCCTAATTAT TTTTTTGGGT CTCGTGGGCA CACCTTTTTCA 286.621 TTTTCAGCAT ATAACACAAA CTGTTTATT TTTTTTTGGGT CTCGTGGGCA CTAGCAGCAC 286.621 TTTTCAGCAT ATAACACAAA CTGTTTATGC TGGTCATAT TCTGTATTAC CTGGGCATCA 286.81 ATCACACCAG AAAGTTTCAT GGTACTGGTA TGATAAAAAT ACACGCCAG TCACACTCTG 287.41 CAAGGGTCAT CAAACACCCA TAAACCGTAG TGGAATTTT TTTTAAATTAA ACACGCCAG TCACACTCTG 287.41 CAAGGGTCAT CAAACACCCA TAAACCGCATA TTCTGGTACT TACTAATTAA ACACGCCAG CACACTACTA TAGTGTACACCACA GACACTACTA CAAACCACCACA AGACTACTA TCTGGACAC CCACACTACTC CTGAACAAC 289.21 TATACACACA GACACTACTA AGAGGCCACC AGACCACAC ACACCACCACACACACA	28321	TGAATAATAC	TTTCATTTTT	GCGCACATGT	GCGACACGGT	CATGTGGATG	AGCAAGCAGT
285 61 CCAGARATAA TGCCGARAAA GAGAACAGC CATAACAGCT TTTTTCACA ACCTTTTCA 286 21 TTTTCAGCAT ATAACAAAA CTGTTTATGG TCTGTGTGGGCA CTAGCAGCAC 286 81 ATCACACCAG AAAGTTTCAT GGTACTGGTA TGATAAAT AACACCCAG TCACACTCG 287 41 CAAGGGCAT CAAACACCA TAAACCGTAG TGGATATTAT TTTAGGT TGTGTATTAC CTGGGCATCA 288 81 TATTACACTA CTTTCAATTA CAAACCCAT TGCAGTACT TTTAAATGTA ACCGCCAG TCACACTCGG 287 41 CAAGACACA CAACACCA TAAACCGTAG TGCAATTTTT TTTAAATGTA ACCACCAG TACACTCGG 288 81 TATTACACTA CTTTCAATTA CAAAGCACTA TTCTGGTACT TTTAAATGTA ACCACCAG CAAATTTTA 288 61 CATAAAACAG GACACTTACT ATAGTGTCAC AGTATTGGAA CCAACTTCT CTAGAACAC 289 21 TACAAAACACA ACTAGCTA AGAGGCACAC TAAACCTAAA ACCACCTAC 289 81 CAAAACACA ACTAGGACAC CCACAACTAC AGAGGCACAC CAACCCACAC ACCAGCACA CACTGCCCTGT 291 61 GCAAAAGGG GATACACGAC ACACACACTG ACCACACACAC ACCACACAC ACCACACAC ACCACACAC TAAACCAC AACTACACA ACCACACAC TAAACCAC ACCAGCACA CACTGCCTT 291 61 TATTGTTGCT GTAGTGGTG GCATGTGTAT CTACTAAGGT TACAAACCAC ACCACACAC TAAACCACA ACCACACAC TAAACCAC ACCACACAC TAAACCACA ACCACACAC TAAACCACA ACCACACAC TAAACCACA ACCACACAC TAAACCACA ACCACACAC TAAACCACA ACCACACAC TAAACCACA ACCACACACA	283 81	ACGATATGTG	GCCCCCACG	AAGGAGAACA	TCGTGGTCTT	CTCCATCGCT.	TACAGCGTGT
285 61 GACCATGGCC TCTGTTACTG CCCTAATTAT TTTTTTGGCT CTGGGCA CTAGCAGCAC 286 81 ATCACACCAG AAACTATCAT GGTACTAAAT TCTGTTATTAC CTGGGCATCA ACACCACCAG AAACTACCCA GAACCACCA TAAACCGTAG TGGAATTTTAT TATTACACTAGATAA ACCAGCCCAG TCACACCTCTG TGAACACACCAC TAAACCACCAG TAAACCACCAG TCACACACTCTG TGGAATTTTA TATTACACTA CTTTCAATTA CAAAGCACCA TCTCTGGTACT TAATTAGATAA ACCAGCCCAG TCACACACTCAG TGGAATTTTA TATTACACTA CTTTCAATTA CAAAGCACCA TCTCTGGTACT TAATTAGACACAC CACACACTACT ATAGCTCCACACTCAC AGATTTGCAT TACATTAGAACAC ACAACTACCA ACAACTACCA AGAGCACCAC TAAACCACAA ACTAGCACAC ACAACTACCA ACAACTACCA ACAACCACCA ACAACTACCA ACAACCACCA ACAACCACCA ACAACCACCA ACAACCACC	28441	GCACGGCGCT	AATCACCGCT	ATCGTGTGCC	TGAGCATTCA	CATGCTCATC	GCTATTCGCC
286 21TTTTCAGCATATAAACAAAACTGTTTATCTGGTTCTATTCTGGCACTCA287 41CAAGGGTCATCAAACACCCATAAACCGTAGTGGTAATTATTTTTTAAATGTAATCATAAAAA288 01TATTACACTACTTTCAATTACAAAGCACTATTCTGGTACTTACTATGGAACCAACTTTAA288 01CATAAAACAGACACTTACTAATAGTGTCACAGTATTGGATCCAACTACTCCTAGAACACA289 21-TACAAAACACACACACACTACAAGGGCACACTAAACCTAAAACTACCAAGAAACTACCTACAACACACACAAACTACACAAACACACACACCCACAACTACAAGGGCACACAACTACACACAACTACACACAACACACACTGACCACACACTGAACTACACACAACACACACACAACACACACACAACACACACACAACACACACACAACACACACACAACACACACACAACACACACTGACCAGCACACAACACACACACAACACACACACAACACACACACAACACACACACACCAGCACACAACACACACACACCATGGTGTACCATGGCTT291 01GCAAAAGGGGGATAACACACACCATGGACACTCAAGCACACACTGCTTCATTTTTTCTATCTAGCATACTATGCCTT292 1CTGCTACAGAAACCACACACACTCAAGACACACACTTACTAGATTCTCTAGCTTTTCTATCTATTTACCCTCTGCTCT293 41TTGTGAATCAGGTAATAAAGATCTTACTATAATCTATATTATACACTGGATACACACACACACACACACACACACACACACAC	285 01	CCAGAAATAA	TGCCGAAAAA	GAGAAACAGC	CATAACACGT	TTTTTCACAC	ACCTTTTTCA
286 81 ATCACACCAG AAAGTTTCAT GETACTAGETA TGATAAAAAT AACACGCCAG TCACACTCTG 287 41 CAAGGGTCAT CAAACACCCA TAAACCGTAG TGGAATTTT TTTTAAATGTA ATCATAATAA 288 01 TATTACACTA CTTTCAATTA CAAAGCACTA TTCTGGTACT TACTATAGAA 288 01 CATAAAACAG GACACTTACT AGAGGCACA TTACTGGTACT TACTATGGAA CAAACCACCA 289 21 TATTACACACA ACAACTACTA AGAGGCACAC TAAACCTACAACA ACCACCACACACACACACAC	28561	GACCATGGCC	TCTGTTACTG	CCCTAATTAT	TTTTTTGGGT	CTCGTGGGCA	CTAGCAGCAC
287 41 CAAGGGTCAT CAAACACCCA TAAACGCTAG TGGAATTTT TTTAAATGTA ATCATAATAA 288 61 CATATACACTA CTTTCAATTA CAAAGCACTA TTCTGGTACT TACTATGGAA CCAATTTTAA 288 61 CATAAAACAG GACACTTACT ATAGTGTAC AGTATTGGAT CCAACTACTC CTAGAACACAC CACACACTACT ATAGTGTACA AGTATTGGAT CCAACTACTC CTAGAACACAC CACACACACACAC AGAGCCACA ACCACACACA	28621	TTTTCAGCAT	ATAAACAAAA	CTGTTTATGC	TGGTTCTAAT	TCTGTATTAC	CTGGGCATCA
288 01 TATTACACTA CITTCAATTA CAAAGCACTA TICTGGTACT TACTATGGAA CCAATTATA 288 61 CATAAAACAG GACACTTACT ATAGTGTCAC AGTATTGGAT CCAACTACTC CTAGAACACAC 289 21 TACAAAACACA ACAACTACTA AGAGGCACAC TAAACCTAACA ACTACCAAGA AACCACTGT 289 81 CAAAACACA ACTAGGACCA CCACAACTAC AGAGGCTACC ACCAGCACAA CACTGCTGC 290 41 AACTACACAC ACACACACTG AGCTAACCTT ACAGACCAC ACCACCACTG 291 01 GCAAAAGGGG GATAACAGCA CCACTTCCGA TGAGGAAATA CCCACAACTCA TGATTGGTGT 291 01 TATTGTTGCT GTAGTGGTGT GCATGTGTAT CATCGCCTTG TGCATGGTGT ACTATGCCATT 292 21 CTGCTACAGA AAGCACAGAC TGAACGACA GCTGGAACAC TTACTAAGTG TACTATGCCATT 292 21 CTGCTACAGA AAGCACAGAC TGAACGACACA GCTGGAACAC TTACTAAGTG TTGAATTTTA 292 81 ATTTTTAGA ACCATGAAGA TCCTAGGCCTT TTAGTTTTT TCTATCATTA CACTGCCTTC 293 41 TTGGGAATCAA GTGAATAAAC ACTGTAATATA CACTGCATTG 294 01 GCCACCCTCA GGTATGCTTT CGTGGTATTG TACCACTGGT TCTAAATTATA CACTGAAGGA 294 01 GCCACCCTCA GGTATGCTTT CGTGGTATTG TACCACTGGT ACCACACACAC 295 21 TGGCACTGAT TTTCAAAAAG GCAAAACCTC AAACTCCAA ACTCCAAACTCA 295 21 TGGCACTGAT TTTCAAAAAG GCAAAACCTC AAACTCCAA ACTCCAAACTCA 295 21 TGGCACTGAT CTGATACTAC TCAATGTCAC GAAAGCATAT GGTGGTGTACC CACCTACCC 296 41 ACCCACCAC ACAACTACTC ACACCACACA CACAGACAA ACCCACAGCAG AGGAGGCAGC 297 01 AAACTACCC TTGCAGGGTC AGACCACACA CACAGACAA ACCCACAGCAG AGGAGGCAGC 297 01 AAACTACCC TTGCAGGGTC AGACCACTCA TTTTTTTGCA ACCCCTACACCACACACACACACACACACACACACAC	28681	ATCACACCAG	AAAGTTTCAT	GGTACTGGTA	TGATAAAAAT	AACACGCCAG	TCACACTCTG
288 61 CATAAAACC GACACTTACT ATAGTETCAC AGTATTGGAT CCAACTACT CAGACACC 289 21 TACAAAACCC ACAACTACT AGAGGCACAC TAAACCTAAA ACTACCAAGA AAACCACTGT CAB9 81 CAAAACAACA ACTAGGACCA CACCACACTC AGCGCACCAC CACCACCAC CACTGCTGC 290 41 AACTACACC ACACCACCT AGCTACCT ACAGCACCA CACTGCTGCT TAGCCAGGA AACCACTGT TAGCCAGGA CACCACCCC AGCCACCAC CACCACCAC CACCACCAC CACCACCAC CACCAC	28741						
288 61 CATAAAACC GACACTTACT ATAGTETCAC AGTATTGGAT CCAACTACT CAGACACC 289 21 TACAAAACCC ACAACTACT AGAGGCACAC TAAACCTAAA ACTACCAAGA AAACCACTGT CAB9 81 CAAAACAACA ACTAGGACCA CACCACACTC AGCGCACCAC CACCACCAC CACTGCTGC 290 41 AACTACACC ACACCACCT AGCTACCT ACAGCACCA CACTGCTGCT TAGCCAGGA AACCACTGT TAGCCAGGA CACCACCCC AGCCACCAC CACCACCAC CACCACCAC CACCACCAC CACCAC	288 01	TATTACACTA	CTTTCAATTA	CAAAGCACTA	TTCTGGTACT	TACTATGGAA	CCAATTTTAA
289 21 TACAAAACCC ACAACTACTA AGAGGCACA TAAACCTAAA ACTACCAGA AAACCACTGT. 289 81 CAAAACAACA ACTAGGACCA CACAACTAC AGAGGCTACC ACCAGCACAA CACTTGCTGC ACCACACACACACACACACACACACACACACACACAC	288 61						
290 41 AACTACACA ACACACACT AGCTAACCTT ACAGACCACT AATGATTTGA TAGCCCTGTT 291 61 TATTGTTGCT GTAGTGGTT GCATGTGAT CATGCCTTG TGCATGGCAT 292 21 CTGCTACAGA AAGCACAGAC TGAACGACAC CACTCCCACTCCTG 292 21 CTGCTACAGA AAGCACAGAC TGAACGACAC TTACTATACTT 292 21 TTGTGAATCA GACACAGAC TGAACGACAC TTACTATACTT TCTATCATTA 292 81 ATTTTTAGA ACCATGAAGA TCCTAGGCCT TTTAGTTTTT TCTATCATTA CCTTGCTCT 293 41 TTGTGAATCA GTGAATAAAG ATGTTACTAT TACCACTGGT TCTAATTATA CACTGAAAGG 294 01 GCCACCCTCA GGTATGCTTT CGTGGTATT CATGCATTG ACTGACACTG ATCAAACTGA 295 21 TGGCACAAAA TTTCAAAAAG ACAACACAC CAAACACACA ACCACACACAC	289-21						
290 41 AACTACACA ACACACACT AGCTAACCTT ACAGACCACT AATGATTTGA TAGCCCTGTT 291 61 TATTGTTGCT GTAGTGGTT GCATGTGAT CATGCCTTG TGCATGGCAT 292 21 CTGCTACAGA AAGCACAGAC TGAACGACAC CACTCCCACTCCTG 292 21 CTGCTACAGA AAGCACAGAC TGAACGACAC TTACTATACTT 292 21 TTGTGAATCA GACACAGAC TGAACGACAC TTACTATACTT TCTATCATTA 292 81 ATTTTTAGA ACCATGAAGA TCCTAGGCCT TTTAGTTTTT TCTATCATTA CCTTGCTCT 293 41 TTGTGAATCA GTGAATAAAG ATGTTACTAT TACCACTGGT TCTAATTATA CACTGAAAGG 294 01 GCCACCCTCA GGTATGCTTT CGTGGTATT CATGCATTG ACTGACACTG ATCAAACTGA 295 21 TGGCACAAAA TTTCAAAAAG ACAACACAC CAAACACACA ACCACACACAC	289 81	CAAAACAACA	ACTAGGACCA	CCACAACTAC	AGAGGCTACC	ACCAGCACAA	CACTTGCTGC
291 61 TATTGTTGCT GTAGTGGTGT GCATGTTGAT CATCGCCTTG TGCATGGTGT ACTATGCCTT 292 21 CTGCTACAGA AAGCACAGAC TGAACGACAA GCTGGAACAC TTACTAAGTG TTGAATTTTA 292 81 ATTTTTAGA ACCATGAAGA TCCTAGGCCT TTTAGTTTTT TCTATCATAA CCCTGGTCT 293 41 TTGTGAATCA GTGAATAAAA TCCTAGGCCT TTTAGTTTTT TCTAATTATA CACTGAAAGG 294 01 GCCACCCTCA GGTATGCTTT CGTGGTATTG CTAATTATAA CACTGAAAGG 294 01 GCCACCCTCA GGTATGCTTT CGTGGTATTG CTAATTTTGAA ATCAAACTGA 295 21 TGGCACTGAT CTGAAACAG GCAAAACCTC AAACTCTAAA ATCTCTAATT ATCAATGCAA 295 21 TGGCACTGAT CTGATACTAC TCAATGTCAC GAAAGCATAT GGTGGCAGTT ATTCTTGCCC 295 81 TGGACAAAC ACTGAAGAAA TGATTTTTTA CAAAGGGAAG GTGGTTGATC CACTACTCC 296 41 ACCCACCAC ACAACTACTC ACACCACAC ACAGAACAA ACCACAGGAG AGGAGGCAGC 297 01 AAAGTTAGCC TTGCAGGTCC AAGACAGTTC TTTGGTGGC ATTACCGCTA CACCTGATCA 298 81 CCCACTGCTG AACCTCTAG TTTAATTTTT TCCTGGTGT CTTTCGGGAT TAGCAGTCAT 298 21 AATCATCTGC ATGTTCATTT TTGCTTGCTG CTTTAGAAGG CTTTACCGAC AAAAATCAGA 298 81 CCCACTGCTG AACCTCTATG TTTAATTTTT TCCAGAGGCA TCAAGGGCAGT TAGCAGCTCTA 299 41 GTTTTTTGTT CTTTGATTGG CATTGTTTTT TCCAGAGGCA TCAAAGTCAGA ACCACCACTCTA 300 01 TATGAAAGGTG AGAATGCCAC TCTAGTGGGC ATCAGTGGT TACCACTCTTA 301 21 GGAGTTAACC TCACCATTAC TAATGCCACC CAAGAACAA ACCACTGGTT TACCACTTTA 301 21 GGAGTTAACC TCACCATTAC TAATGCCACC CAAGATCAGA ATGGTGTGT TACCACTTTA 302 41 ACCACCACA AGAACTACC CACACACAC AAAATCAGA 303 61 ACCACCACA AGACCACTTC TAATGCCACC CAAGATCAGA ATGGTGTGT TAACGGTCAC 303 61 ACAGCACAA CCACACAGAC ACCACTTT TAATGCCACC CAAGATCAGA ATGGTAGTT TAACAGTACT 303 61 ACAGCACAA ACCACACACA ACCACTTT TAATCACACT TAACAGCTT TAACAGCAAC ACCACACACA 304 21 CAACCTAGTA CAACAAGAC ACCACTTT TAATCACAC CACACACAT CACCACATT GACCACCACT 303 61 ACAGCACAC ACCACACAC ACCACACAC ACCACACAC ACCACACAC ACCACACT CACCACACAC CACCACACAC ACCACACTT TAACACTCAA CACCACATT GACCACCACT 303 61 ACAGCACACA ACCACACAC ACCACACTT TAACACCACC CACACACA	290 41						
292 21 CTGCTACAGA AAGCACAGAC TGAACGACAA GCTGGAACAC TTACTAAGTG TTGAATTTTA 292 81 ATTTTTTAGA ACCATGAAGA TCCTAGGCCT TTTAGTTTT TCTATCATTA CCTCTGCTCT 293 41 TTGTGAATCA GTGAATAAAG ATGTTACTAT TACCACTGGT TCTAATTATA CACTGAAAGG 294 01 GCCACCCTCA GGTATGCTTT CGTGGTATTG CTATTTTGGA ACTGACACGA 294 61 ATTATGCAAT TTTCAAAAAG GCAAAACCTC AAACTCTAAA ATCTCTAATT ATCAATGCAA 295 21 TGGCACTGAT CTGATACTAC TCAATGTCAC 295 81 TGGACAAAAC ACTGAAGAAA TGATTTTTA CAAAGGTGAA ACCCACCAC ACCACCAC ACAACTACTC ACCACACAC ACCACCAC ACAACTACTC ACCACACAC ACCACCACA ACCACCACACA ACCACC	291.01						
292 21 CTGCTACAGA AAGCACAGAC TGAACGACAA GCTGGAACAC TTACTAAGTG TTGAATTTTA 292 81 ATTTTTTAGA ACCATGAAGA TCCTAGGCCT TTTAGTTTT TCTATCATTA CCTCTGCTCT 293 41 TTGTGAATCA GTGAATAAAG ATGTTACTAT TACCACTGGT TCTAATTATA CACTGAAAGG 294 01 GCCACCCTCA GGTATGCTTT CGTGGTATTG CTATTTTGGA ACTGACACGA 294 61 ATTATGCAAT TTTCAAAAAG GCAAAACCTC AAACTCTAAA ATCTCTAATT ATCAATGCAA 295 21 TGGCACTGAT CTGATACTAC TCAATGTCAC 295 81 TGGACAAAAC ACTGAAGAAA TGATTTTTA CAAAGGTGAA ACCCACCAC ACCACCAC ACAACTACTC ACCACACAC ACCACCAC ACAACTACTC ACCACACAC ACCACCACA ACCACCACACA ACCACC	291 61	TATTGTTGCT	GTAGTGGTGT	GCATGTTGAT	CATCGCCTTG	TGCATGGTGT	ACTATGCCTT
292 81 ATTTTTAGA ACCATGAAGA TCCTAGGCCT TTTAGTTTT TCTATCATTA CCTCTGCTCT 293 41 TTGTGAATCA GTGAATAAAG ATGTTACTAT TACCACTGGT TCTAATTATA CACTGAAAGG 294 01 GCCACCCTCA GGTATGCTTT CGTGGTATTG CTATTTTTGA ACTGACACTG ATCAAACTGA 294 61 ATTATGCAAT TTTCAAAAAG GCAAAACCTC AAACTCTAAAA ATCTCTAATT ATCAATGCAA 295 21 TGGCACTGAT CTGATACTAC TCAATGTCAC GAAAGCATAT GGTGGCAGTT ATCTTGCCC 295 81 TGGACAAAAC ACTGAAGAAA TGATTTTTA CAAAGGCATAT GGTGGTGATC CCACTACTCC 296 41 ACCCACCAC ACAACTACTC ACACCACAC CACAGAACAA ACCACAGCAG AGGAGGCAGC 297 01 AAAGTTAGCC TTGCAGGTCC AAGACAGTC ATTTGTTGCC TTTCGGGAT TAGCAGTCAT 297 61 GCGGTGTCCG GGGCTGCTAG TCAGCGCAT TGTCGGTTG CTTTCGGGAT TAGCAGTCAT 298 21 AATCATCTG ATGTCATTT TGGCTTGCTG CTATAGAAAG CTTTCCGGAT TAGCAGTCAT 298 81 CCCACTGCTG AACCTCTATG TTTTAATTTTT TCAGAGCCA TAGCAGCAG AAAAATCAGA 299 41 GTTTTTTGTT CTTTGATTGG CATTGTTTT AGTGCTGGTT TTTTGAAAAA TCTTACCATT 300 01 TATGAAGGTG AGAATGCCAC TCTAGTGGGC ATCAGTGGTT TAGCAGTCAT 301 01 TACCATCTAG ATGGGTGAA AGACATTTC GATTGGTGT TTTTTAATTTTT TCAGAGCCA TAGCAGCAGT TAGCAGTCAT 301 12 GGAGTTAACC TCACCATTAC TAATGCACC CAAGATCAGA ATGGTAGGTT TACCATTCT 302 41 ATCACAATAG AGACATTAC TAATGCCAC CAAGATCAGA ATGGTAGGTT TAAGAGTCAG 301 81 AGTTTCACTA GAAATAATGG GTATGAATCC CAAGATCAGA ATGGTAGGTT TAAGAGGTCAG 302 41 ATCAGAAAGA CCACCACACAC CACCACACAC ATGCCACTAC TAACAGGTT TAACATGTACT 303 01 ACCAAGAAA CCACCACACAC CACCACACAC ATGCCCACTA CACCACAGTTC TACCACTTCT 303 01 ACCAAGAAA CCACCACACAC CACCACACAC ATGCCCACTA CACCACAGTTC TACCACTACT 303 01 ACCAAGAAA CCACCACACAC CACCACACAC ATGCCCACTA CACCACAGTTC TACCACTACT 304 21 CAACCTAGTA CAACTACTAA GACCACACTT TATACATCAA CTCAGCATAT GAACACCACACT 304 21 CAACCTAGTA CAACTACTAA GACCACACAC ATGCCCACTA CACCACAGTTC TACCACTACT 304 21 CAACCTAGTA CAACTACTAA GACCACACTC CAGGCACAGG CTTTTGGCTTT GAAAGCTGCA 304 21 CAACCTAGTA CAACTACTAA GACCACACTC CACCACACAG ATGCCCACTA CACCACAGTTC TACCACTACT 304 21 CAACCTAGTA CAACTACTAA GACCACACTC CAGGCCCT CAGCCCCC CCATTTCTCC CCCCCTGAAG 304 21 CAACCTAGTA CAACTACTAA GACCACACTC TACTACTCT TATACACAC CCCCCTGCAAG 304 21 CAACAGACA CAGCCAC CACCACACAC ATGCCCCC CAACTCCC C	292 21						
294 01 GCCACCTCA GGTATGCTTT CGTGGTATTG CTATTTTGGA ACTGACACTG ATCAAACTGA 294 61 ATTATGCAAT TTTCAAAAAG GCAAAACCTC AAACTCTAAA ATCTCTAATT ATCAATGCAA 295 21 TGGCACTGAT CTGATACTAC TCAATGTCAC GAAAGCATAT GGTGGCAGTT ATTCTTGCCC 295 81 TGGACAAAAC ACTGAAGAAA TGATTTTTTA CAAAGTGGAA GTGGTTGATC CACACTACTC 296 41 ACCCACCACC ACAACTACTC ACACCACCA CACAGAACAA ACCACAGCAG AGGAGGCAGC 297 01 AAAGTTAGCC TTGCAGGTCC AAGACAGTTC ATTTGTTGTGC CTTTCGGGAT TAGCAGTCAT 298 21 AATCATCTGC ATGTTCATTT TTGCTTGCTG CTATAGAAGG CTTTTACCGAC AAAAAATCAGA 298 81 CCCACTGCTG AACCTCTATG TTTAATTTTT TCCAGAGCCA TGAAGGCAGT TAGCACTCTA 299 41 GTTTTTTGTT CTTTGATTGG CATTGTTTTT AGTGCTGGT TTTTGAAAAAA TCCTTCACATT 300 01 TAGCAAGGAG AAGACATTCC ATGTCGGGAT TAGCACTCTA 301 21 GGAGTTAACC TCAGCGCAC TCAAGGACGA ACCACTGAGA ACCACTGACA 301 81 AGTTTCACTA ATGGGTGGA AGCACTTTG GATTGGAATG TCACTGTGTA TACCACTGTC 302 41 ATCAGAAATG AGACCACCAC CACCACACG ATGCCACCAC AAAAATCAGA 301 81 AGTTTCACTA GAAATAATGG GTATGAATCC CAAGAACCAA ACCACAGTTC TACCACTGTC 302 41 ATCAGAAATG AGACCGCCAC CACCACACAG ATGCCCACTA CACCACGTTC TACCACTGTC 302 41 ATCAGAAATG AGACCGCCAC CACCACACAG ATGCCCACTA CACCACGTTC TACCACTGTC 303 01 ACCAAGCAAA CCACCAGAC AACCACTTTT TATACATCAA CTCAGCACTTC TACCACTACT 303 01 ACCAAGCAAA AGCCAACAGA AACCACTTTT TATACATCAA CTCAGCACTTT TACCACTACT 303 01 ACCAAGCAAA CCACACAGAC AACCACTTTT TATACATCAA CTCAGCACTTT TACCACTACT 304 21 CAACCTAGTA CAACTACTAA GACCACTTTT TATACATCAA CTCAGCACTTT GAAAGCTGCA 304 21 CAACCACACA AGCCAACTAA GACCACTTTT TATACATCAA CTCAGCACTTT TACCACCACACAGA ACCCACTACT CAGCCACCACT CAGCCACCAC CAGCCCCCCCC	292 81	ATTTTTTAGA	ACCATGAAGA	TCCTAGGCCT	TTTAGTTTTT	TCTATCATTA	CCTCTGCTCT
294 01 GCCACCTCA GGTATGCTTT CGTGGTATTG CTATTTTGGA ACTGACACTG ATCAAACTGA 294 61 ATTATGCAAT TTTCAAAAAG GCAAAACCTC AAACTCTAAA ATCTCTAATT ATCAATGCAA 295 21 TGGCACTGAT CTGATACTAC TCAATGTCAC GAAAGCATAT GGTGGCAGTT ATTCTTGCCC 295 81 TGGACAAAAC ACTGAAGAAA TGATTTTTTA CAAAGTGGAA GTGGTTGATC CACACTACTC 296 41 ACCCACCACC ACAACTACTC ACACCACCA CACAGAACAA ACCACAGCAG AGGAGGCAGC 297 01 AAAGTTAGCC TTGCAGGTCC AAGACAGTTC ATTTGTTGTGC CTTTCGGGAT TAGCAGTCAT 298 21 AATCATCTGC ATGTTCATTT TTGCTTGCTG CTATAGAAGG CTTTTACCGAC AAAAAATCAGA 298 81 CCCACTGCTG AACCTCTATG TTTAATTTTT TCCAGAGCCA TGAAGGCAGT TAGCACTCTA 299 41 GTTTTTTGTT CTTTGATTGG CATTGTTTTT AGTGCTGGT TTTTGAAAAAA TCCTTCACATT 300 01 TAGCAAGGAG AAGACATTCC ATGTCGGGAT TAGCACTCTA 301 21 GGAGTTAACC TCAGCGCAC TCAAGGACGA ACCACTGAGA ACCACTGACA 301 81 AGTTTCACTA ATGGGTGGA AGCACTTTG GATTGGAATG TCACTGTGTA TACCACTGTC 302 41 ATCAGAAATG AGACCACCAC CACCACACG ATGCCACCAC AAAAATCAGA 301 81 AGTTTCACTA GAAATAATGG GTATGAATCC CAAGAACCAA ACCACAGTTC TACCACTGTC 302 41 ATCAGAAATG AGACCGCCAC CACCACACAG ATGCCCACTA CACCACGTTC TACCACTGTC 302 41 ATCAGAAATG AGACCGCCAC CACCACACAG ATGCCCACTA CACCACGTTC TACCACTGTC 303 01 ACCAAGCAAA CCACCAGAC AACCACTTTT TATACATCAA CTCAGCACTTC TACCACTACT 303 01 ACCAAGCAAA AGCCAACAGA AACCACTTTT TATACATCAA CTCAGCACTTT TACCACTACT 303 01 ACCAAGCAAA CCACACAGAC AACCACTTTT TATACATCAA CTCAGCACTTT TACCACTACT 304 21 CAACCTAGTA CAACTACTAA GACCACTTTT TATACATCAA CTCAGCACTTT GAAAGCTGCA 304 21 CAACCACACA AGCCAACTAA GACCACTTTT TATACATCAA CTCAGCACTTT TACCACCACACAGA ACCCACTACT CAGCCACCACT CAGCCACCAC CAGCCCCCCCC	293 41	TTGTGAATCA	GTGAATAAAG	ATGTTACTAT	TACCACTGGT	TCTAATTATA	CACTGAAAGG
294 61 ATTATGCAAT TTTCAAAAAG GCAAAACCTC AAACTCTAAA ATCTCTAATT ATCAATGCAA 295 21 TGGCACTGAT CTGATACTAC TCAATGTCAC GAAAGCATAT GGTGGCAGTT ATTCTTGCCC CACCACCAC ACCACACAC ACCACACACA CACAGACAA ACCACACCAC CCACCACCAC ACACACTACTC AAAGTTGTGCC AAGACTAA ACCACACACA ACCACACACA ACCACACACA AGGAGGCAGC AGGACGAA ACCACACACA	294 01						
295 21TGGCACTGATCTGATACTACTCAATGTCACGAAAGCATATGGTGGCAGTTATTCTTGCCC295 81TGGACAAAACACTGAAGAAATGATTTTTTACAAAGTGGAAGTGGTTGATCCCACTACTCC296 41ACCCACCACCACAACTACTCACACCACACACACAGAACAAACCCACAGCAGAGGAGGCAGC297 01AAAGTTAGCCTTGCAGGTCCAAAGACAGTTCATTTGTTGCCATTACCCCTACACCTGATCA297 61GCGGTGCCGGGGCTGCTAGTCAGCGGCATTGTCGGTGTGCTTTCGGGATTAGCAGTCAT298 21AATCATCTGCATGTTCATTTTTGCTTGCTGCTTTAGAAGGCTTTACCGACAAAAATCAGA299 41GTTTTTTGTTCTTTGATTGGCATTGTTTTTAGTGCTGGGTTTTTGAAAATTCTTACCATT300 01TATGAAGGTGAGAATGCCACTCTAGTGGGCATCAGTGGTTAACATGTAA301 21GGAGTTAACCTCACCATTACTAATGCCACCCAAGATCAGAATGGTAGGTTTAAGGGTCAG301 81AGTTTCACTAGAAATAATGGGTATGAATCCATAACATGTTTATCTATGACGTCACTGTC302 41ATCAGAAATGAGACCACCACCACCACACAGATGCCACACTACACCACGTTCTACCACTACT303 01ACCAAGCAAAGACCACCACAACCACTTTTTATACATCAGCTTTGGCTTGAAAGCTCA304 21CAACCTAGTACAACCTACTAAGACCAACTGGCAGCCACCACCATTTTTTGCTCACTTTTTTTTTCCACTTTTTTTTTCCACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	294 61	ATTATGCAAT	TTTCAAAAAG	GCAAAACCTC	AAACTCTAAA	ATCTCTAATT	ATCAATGCAA
296 41 ACCCACCAC ACAACTACTC ACACCACAC CACAGAACAA ACCACAGCAG AGGAGGCAGC 297 01 AAAGTTAGCC TTGCAGGTCC AAGACAGTTC ATTTGTTGC ATTACCCCTA CACCTGATCA 297 61 GCGGTGTCG GGGCTGCTAG TCAGCGGCAT TGTCGGTGTG CTTTCGGGAT TAGCAGTCAT TGCAGTCAT TTGCTTGCTG CTATAGAAGG CTTTACCGAC AAAAATCAGA ACCACTGCTG AACCTCTATT TTGCTTGCTG CTATAGAAGG CTTTACCGAC AAAAATCAGA CCCACTGCTG AACCTCTAT TTTAATTTTT TCCAGAGCCA TGAAGGCAGT TAGCACTCTA TAGCACTCTA AGCACTCTA AGCACACACA AGCACACACA AGCACACACA ATGCCCACTA CACACAGTTC TACCACTGTC TACCACTGTC TACCACTACT ACCACTACT ACCACTACT ACCACTACT ACCACTACT ACCACCACAC AGCCACCACA AGCCACACAC AGCCACCACAC AGCCACCACAC ATGCCCACAG CTTTGGCACT TACCACTACT ACCACTACT ACCACTACT ACCACTACT ACCACTACT ACCACTACT ACCACCACTACT ACCACCACAC AGCCACCACAC AGCCACACAC AGCCACCAC ATTTTTTTTTT	295 21						
297 01 AAAGTTAGCC TTGCAGGTCC AAGACAGTTC ATTTGTTGGC ATTACCCCTA CACCTGATCA 297 61 GCGGTGTCG GGGCTGCTAG TCAGCGGCAT TGTCGGTGTG CTTTCGGGAT TAGCAGTCAT 298 21 AATCATCTGC ATGTTCATTT TTGCTTGCTG CTATAGAAGG CTTTACCGAC AAAAATCAGA 298 81 CCCACTGCTG AACCTCTATG TTTAATTTTT TCCAGAGCCA TGAAGGCAGT TAGCACTCTA 299 41 GTTTTTGTT CTTTGATTGG CATTGTTTTT AGTGCTGGGT TTTTGAAAAA TCTTACCATT 300 01 TATGAAGGTG AGAATGCCAC TCTAGTGGGC ATCAGTGGT AAAATGTCAG CTGGCTAAAA 300 61 TACCATCTAG ATGGGTGGAA AGACATTTGC GATTGGAATG TCACTGTGTA TACATGTAAT 301 21 GGAGTTAACC TCACCATTAC TAATGCCACC CAAGATCAGA ATGGTAGGTT TAAGGGTCAG 301 81 AGTTTCACTA GAAATAATGG GTATGAATCC CATAACATGT TTATCTATGA CGTCACTGTC 303 01 ACCAAGAAAT AGACCGCCAC CACCACACAG ATGCCCACTA CACACAGTTC TACCACTACT 303 01 ACCAAGCAAA CCACACAGAC AACCACTTTT TATACATCAA CTCAGCATAT GACCACCACT 303 61 ACAGCAGCAA AGCCAAGTAG CGCAGCGCCT CAGCCACAGG CTTTGGCTTT GAAAGCTGCA 304 21 CAACCTAGTA CAACTACTAA GACCAATGAG CAGACTACTG ATTTTTTTTTT	295 81	TGGACAAAAC	ACTGAAGAAA	TGATTTTTTA	CAAAGTGGAA	GTGGTTGATC	CCACTACTCC
297 61 GCGGTGTCCG GGGCTGCTAG TCAGCGGCAT TGTCGGTGTG CTTTCGGGAT TAGCAGTCAT 298 21 AATCATCTGC ATGTTCATTT TTGCTTGCTG CTATAGAAGG CTTTACCGAC AAAAATCAGA 298 81 CCCACTGCTG AACCTCTATG TTTAATTTTT TCCAGAGCCA TGAAGGCAGT TAGCACTCTA 299 41 GTTTTTTGTT CTTTGATTGG CATTGTTTTT AGTGCTGGGT TTTTGAAAAA TCTTACCATT 300 01 TATGAAGGTG AGAATGCCAC TCTAGTGGGC ATCAGTGGTC AAAATGTCAG CTGGCTAAAA 300 61 TACCATCTAG ATGGGTGGAA AGACATTTGC GATTGGAATG TCACTGTGTA TACATGTAAT 301 21 GGAGTTAACC TCACCATTAC TAATGCCACC CAAGATCAGA ATGGTAGGTT TAAGGGTCAG 301 81 AGTTTCACTA GAAATAATGG GTATGAATCC CATAACATGT TTATCTATGA CGTCACTGTC 303 01 ACCAAGCAAA CCACACAGAC AACCACTTTT TATACATCAA CTCAGCATAT GACCACCACT 303 61 ACAGCAGCAA AGCCAAGTAG CGCAGCGCCT CAGCCACAGG CTTTTGGCTTT GAAAGCTGCA 304 21 CAACCTAGTA CAACTACTAA GACCACTTCT TATACATCAA CTCAGCATAT GACCACCACT 304 81 AGCCACACCA CAGCTACTC CAGTGCCTTC CAGCCACAGG CTTTTGGCTTT GAAAGCTGCA 304 81 AGCCACACCA CAGCTACTC CAGTGCCTTC TCTAGCACG CCAATCTCTC CTCGCTTTCC 305 41 TCTACACCAA TCAGTCCCGC TACTACTCT AGCCCCGCTC CTCTTCCCAC TCCCCTGAAG 306 01 CAAACAGACG GCGGCATGCA ATGGCAGATC ACCCTGCTC TTTTTCCCAC TCCCCTGAAG 306 01 CAAACAGACG GCGGCATGCA ATGGCAGATC CCCCCAAGCCG CTCTTTCCCAC TCCCCTGAAG 306 01 CAAACAGACG GCGGCATGCA ATGGCAGATC ACCCTGCTCA TTGTGATCGG GTTGGTCATC 306 61 CTGGCCGTGT TGCTCTACTA CATCTTCTCC CCCCCAACGCCC	296 41	ACCCACCACC	ACAACTACTC	ACACCACACA	CACAGAACAA	ACCACAGCAG	AGGAGGCAGC
298 21 AATCATCTGC ATGTTCATTT TTGCTTGCTG CTATAGAAGG CTTTACCGAC AAAAATCAGA 298 81 CCCACTGCTG AACCTCTATG TTTAATTTTT TCCAGAGCCA TGAAGGCAGT TAGCACTCTA 299 41 GTTTTTTGTT CTTTGATTGG CATTGTTTTT AGTGCTGGGT TTTTGAAAAA TCTTACCATT 300 01 TATGAAGGTG AGAATGCCAC TCTAGTGGGC ATCAGTGGTC AAAATGTCAG CTGGCTAAAA 300 61 TACCATCTAG ATGGGTGGAA AGACATTTGC GATTGGAATG TCACTGTGTA TACATGTAAT 301 21 GGAGTTAACC TCACCATTAC TAATGCCACC CAAGATCAGA ATGGTAGGTT TAAGGGTCAG 301 81 AGTTTCACTA GAAATAATGG GTATGAATCC CATAACATGT TTATCTATGA CGTCACTGTC 302 41 ATCAGAAATG AGACCGCCAC CACCACACA ATGCCCACTA CACACAGTTC TACCACTACT 303 01 ACCAAGCAAA CCACACAGAC AACCACTTTT TATACATCAA CTCAGCATAT GACCACCACT 303 61 ACAGCAGCAA AGCCAAGTAG CGCAGCGCCT CAGCCACAGG CTTTGGCTTT GAAAGCTGCA 304 21 CAACCTAGTA CAACTACTAA GACCAATGAG CAGACTACTG ATTTTTTGTC CACTGTCGAG 304 81 AGCCACACCA CAGCTACCTC CAGTGCCTTC TCTAGCACCG CCAATCTCTC CTCGCTTTCC 305 41 TCTACACCAA TCAGTCCCGC TACTACTCT AGCCCCGCTC CTCTTCCCAC TCCCCTGAAG 306 01 CAAACAGACG GCGGCATGCA ATGGCAGATC ACCCTGCTCA TTGTGATCGG GTTGGTCATC 306 61 CTGGCCGTGT TGCTCTACTA CATCTTCTCC CCCCCAAGCCG	297 01	AAAGTTAGCC	TTGCAGGTCC	AAGACAGTTC	ATTTGTTGGC	ATTACCCCTA	CACCTGATCA
298 21 AATCATCTGC ATGTTCATTT TTGCTTGCTG CTATAGAAGG CTTTACCGAC AAAAATCAGA 298 81 CCCACTGCTG AACCTCTATG TTTAATTTTT TCCAGAGCCA TGAAGGCAGT TAGCACTCTA 299 41 GTTTTTTGTT CTTTGATTGG CATTGTTTTT AGTGCTGGGT TTTTGAAAAA TCTTACCATT 300 01 TATGAAGGTG AGAATGCCAC TCTAGTGGGC ATCAGTGGTC AAAATGTCAG CTGGCTAAAA 300 61 TACCATCTAG ATGGGTGGAA AGACATTTGC GATTGGAATG TCACTGTGTA TACATGTAAT 301 21 GGAGTTAACC TCACCATTAC TAATGCCACC CAAGATCAGA ATGGTAGGTT TAAGGGTCAG 301 81 AGTTTCACTA GAAATAATGG GTATGAATCC CATAACATGT TTATCTATGA CGTCACTGTC 302 41 ATCAGAAATG AGACCGCCAC CACCACACA ATGCCCACTA CACACAGTTC TACCACTACT 303 01 ACCAAGCAAA CCACACAGAC AACCACTTTT TATACATCAA CTCAGCATAT GACCACCACT 303 61 ACAGCAGCAA AGCCAAGTAG CGCAGCGCCT CAGCCACAGG CTTTGGCTTT GAAAGCTGCA 304 21 CAACCTAGTA CAACTACTAA GACCAATGAG CAGACTACTG ATTTTTTGTC CACTGTCGAG 304 81 AGCCACACCA CAGCTACCTC CAGTGCCTTC TCTAGCACCG CCAATCTCTC CTCGCTTTCC 305 41 TCTACACCAA TCAGTCCCGC TACTACTCT AGCCCCGCTC CTCTTCCCAC TCCCCTGAAG 306 01 CAAACAGACG GCGGCATGCA ATGGCAGATC ACCCTGCTCA TTGTGATCGG GTTGGTCATC 306 61 CTGGCCGTGT TGCTCTACTA CATCTTCTCC CCCCCAAGCCG	297 61	GCGGTGTCCG	GGGCTGCTAG	TCAGCGGCAT	TGTCGGTGTG	CTTTCGGGAT	TAGCAGTCAT
299 41 GTTTTTGTT CTTTGATTGG CATTGTTTT AGTGCTGGGT TTTTGAAAAA TCTTACCATT 300 01 TATGAAGGTG AGAATGCCAC TCTAGTGGGC ATCAGTGGTC AAAATGTCAG CTGGCTAAAA 300 61 TACCATCTAG ATGGGTGGAA AGACATTTGC GATTGGAATG TCACTGTGTA TACATGTAAT 301 21 GGAGTTAACC TCACCATTAC TAATGCCACC CAAGATCAGA ATGGTAGGTT TAAGGGTCAG 301 81 AGTTTCACTA GAAATAATGG GTATGAATCC CATAACATGT TTATCTATGA CGTCACTGTC 302 41 ATCAGAAATG AGACCGCCAC CACCACACAG ATGCCCACTA CACACAGTTC TACCACTACT 303 01 ACCAAGCAAA CCACACAGAC AACCACTTTT TATACATCAA CTCAGCATAT GACCACCACT 303 61 ACAGCAGCAA AGCCAAGTAG CGCAGCGCCT CAGCCACAGG CTTTGGCTTT GAAAGCTGCA 304 21 CAACCTAGTA CAACTACTAA GACCAATGAG CAGACTACTG ATTTTTTGTC CACTGTCGAG 304 21 CAACCTAGTA CAACTACTAA GACCAATGAG CAGACTACTG ATTTTTTGTC CACTGTCGAG 304 81 AGCCACACCA CAGCTACCTC CAGTGCCTTC TCTAGCACCG CCAATCTCTC CTCGCTTTCC 305 41 TCTACACCAA TCAGTCCCGC TACTACTCCT AGCCCCGCTC CTCTTCCCAC TCCCCTGAAG 306 01 CAAACAGACG GCGGCATGCA ATGGCAGATC ACCCTGCTCA TTGTGATCGG GTTGGTCATC 306 61 CTGGCCGTGT TGCTCTACTA CATCTTCTGC CGCCGCATCC CCAACGCGCA CCGCAAGCCG	298 21						
300 01 TATGAAGGTG AGAATGCCAC TCTAGTGGGC ATCAGTGGTC AAAATGTCAG CTGGCTAAAA 300 61 TACCATCTAG ATGGGTGGAA AGACATTTGC GATTGGAATG TCACTGTGTA TACATGTAAT 301 21 GGAGTTAACC TCACCATTAC TAATGCCACC CAAGATCAGA ATGGTAGGTT TAAGGGTCAG 301 81 AGTTTCACTA GAAATAATGG GTATGAATCC CATAACATGT TTATCTATGA CGTCACTGTC ATCAGAAATG AGACCGCCAC CACCACACA ATGCCCACTA CACACAGTTC TACCACTACT ACCACTACT ACCAGCAAA CCACACAGAC AACCACTTT TATACATCAA CTCAGCATAT GACCACCACT ACCACCACT ACCACCACTA CAACCAGACA AGCCAAGTAG CGCAGCGCCT CAGCCACAGG CTTTGGCTTT GAAAGCTGCA AGCCACACCAC CAACCACTACT AGCCACCACCAC CAGCCACCAC CAGCCCACCAC CAACCACCAC TCCCCTGAAG CCGCAACCAC CCGCAAGCCC CCAAACCCCC CCAACGCCC CCAACCCCC CCCAACCCCC CCCCAACCCCC CCCAACCCCC CCCAACCCCC CCCAACCCCC CCCAACCCCC CCCCAACCCCC CCCCAACCCCC CCCAACCCCC CCCCAACCCCC CCCAACCCCC CCCAACCCCC CCCAACCCCC CCCAACCCCCC	298 81	CCCACTGCTG	AACCTCTATG	TTTTAATTTTT	TCCAGAGCCA	TGAAGGCAGT	TAGCACTCTA
300 61 TACCATCTAG ATGGGTGGAA AGACATTTGC GATTGGAATG TCACTGTGTA TACATGTAAT 301 21 GGAGTTAACC TCACCATTAC TAATGCCACC CAAGATCAGA ATGGTAGGTT TAAGGGTCAG 301 81 AGTTTCACTA GAAATAATGG GTATGAATC CATAACATGT TTATCTATGA CGTCACTGTC 302 41 ATCAGAAATG AGACCGCCAC CACCACACAG ATGCCCACTA CACACAGTTC TACCACTACT 303 01 ACCAAGCAAA CCACACAGAC AACCACTTTT TATACATCAA CTCAGCATAT GACCACCACT 303 61 ACAGCAGCAA AGCCAAGTAG CGCAGCGCCT CAGCCACAGG CTTTGGCTTT GAAAGCTGCA 304 21 CAACCTAGTA CAACTACTAA GACCAATGAG CAGACTACTG ATTTTTTGTC CACTGTCGAG 304 81 AGCCACACCA CAGCTACCTC CAGTGCCTTC TCTAGCACCG CCAATCTCC CTCGCTTTCC 305 41 TCTACACCAA TCAGTCCCGC TACTACTCCT AGCCCCGCTC CTCTTCCCAC TCCCCTGAAG 306 01 CAAACAGACG GCGGCATGCA ATGGCAGATC ACCCTGCTCA TTGTGATCGG GTTGGTCATC 306 61 CTGGCCGTGT TGCTCTACTA CATCTTCTCC CGCCGCATC CCAACGCGCA CCGCAAGCCG	299 41	GTTTTTTGTT	CTTTGATTGG	CATTGTTTTT	AGTGCTGGGT	TTTTGAAAAA	TCTTACCATT
300 61 TACCATCTAG ATGGGTGGAA AGACATTTGC GATTGGAATG TCACTGTGTA TACATGTAAT 301 21 GGAGTTAACC TCACCATTAC TAATGCCACC CAAGATCAGA ATGGTAGGTT TAAGGGTCAG 301 81 AGTTTCACTA GAAATAATGG GTATGAATC CATAACATGT TTATCTATGA CGTCACTGTC 302 41 ATCAGAAATG AGACCGCCAC CACCACACAG ATGCCCACTA CACACAGTTC TACCACTACT 303 01 ACCAAGCAAA CCACACAGAC AACCACTTTT TATACATCAA CTCAGCATAT GACCACCACT 303 61 ACAGCAGCAA AGCCAAGTAG CGCAGCGCCT CAGCCACAGG CTTTGGCTTT GAAAGCTGCA 304 21 CAACCTAGTA CAACTACTAA GACCAATGAG CAGACTACTG ATTTTTTGTC CACTGTCGAG 304 81 AGCCACACCA CAGCTACCTC CAGTGCCTTC TCTAGCACCG CCAATCTCC CTCGCTTTCC 305 41 TCTACACCAA TCAGTCCCGC TACTACTCCT AGCCCCGCTC CTCTTCCCAC TCCCCTGAAG 306 01 CAAACAGACG GCGGCATGCA ATGGCAGATC ACCCTGCTCA TTGTGATCGG GTTGGTCATC 306 61 CTGGCCGTGT TGCTCTACTA CATCTTCTCC CGCCGCATC CCAACGCGCA CCGCAAGCCG	300 01	TATGAAGGTG	AGAATGCCAC	TCTAGTGGGC	ATCAGTGGTC	AAAATGTCAG	CTGGCTAAAA
301 81 AGTTTCACTA GAAATAATGG GTATGAATCC CATAACATGT TTATCTATGA CGTCACTGTC 302 41 ATCAGAAATG AGACCGCCAC CACCACACAG ATGCCCACTA CACACAGTTC TACCACTACT 303 01 ACCAAGCAAA CCACACAGAC AACCACTTTT TATACATCAA CTCAGCATAT GACCACCACT 303 61 ACAGCAGCAA AGCCAAGTAG CGCAGCGCCT CAGCCACAGG CTTTGGCTTT GAAAGCTGCA 304 21 CAACCTAGTA CAACTACTAA GACCAATGAG CAGACTACTG ATTTTTTGTC CACTGTCGAG 304 81 AGCCACACCA CAGCTACCTC CAGTGCCTTC TCTAGCACCG CCAATCTCT CTCGCTTTCC 305 41 TCTACACCAA TCAGTCCCGC TACTACTCCT AGCCCCGCTC CTCTTCCCAC TCCCCTGAAG 306 01 CAAACAGACG GCGGCATGCA ATGGCAGATC ACCCTGCTCA TTGTGATCGG GTTGGTCATC 306 61 CTGGCCGTGT TGCTCTACTA CATCTTCTGC CGCCGCATC CCAACGCGCA CCGCAAGCCG	300 61						
302 41 ATCAGAAATG AGACCGCCAC CACCACACAG ATGCCCACTA CACACAGTTC TACCACTACT 303 01 ACCAAGCAAA CCACACAGAC AACCACTTTT TATACATCAA CTCAGCATAT GACCACCACT 303 61 ACAGCAGCAA AGCCAAGTAG CGCAGCGCCT CAGCCACAGG CTTTGGCTTT GAAAGCTGCA 304 21 CAACCTAGTA CAACTACTAA GACCAATGAG CAGACTACTG ATTTTTTGTC CACTGTCGAG 304 81 AGCCACACCA CAGCTACCTC CAGTGCCTTC TCTAGCACCG CCAATCTCTC CTCGCTTTCC 305 41 TCTACACCAA TCAGTCCCGC TACTACTCCT AGCCCCGCTC CTCTTCCCAC TCCCCTGAAG 306 01 CAAACAGACG GCGGCATGCA ATGGCAGATC ACCCTGCTCA TTGTGATCGG GTTGGTCATC 306 61 CTGGCCGTGT TGCTCTACTA CATCTTCTGC CGCCGCATC CCAACGCGCA CCGCAAGCCG	30121	GGAGTTAACC	TCACCATTAC	TAATGCCACC	CAAGATCAGA	ATGGTAGGTT	TAAGGGTCAG
302 41 ATCAGAAATG AGACCGCCAC CACCACACAG ATGCCCACTA CACACAGTTC TACCACTACT 303 01 ACCAAGCAAA CCACACAGAC AACCACTTTT TATACATCAA CTCAGCATAT GACCACCACT 303 61 ACAGCAGCAA AGCCAAGTAG CGCAGCGCCT CAGCCACAGG CTTTGGCTTT GAAAGCTGCA 304 21 CAACCTAGTA CAACTACTAA GACCAATGAG CAGACTACTG ATTTTTTGTC CACTGTCGAG 304 81 AGCCACACCA CAGCTACCTC CAGTGCCTTC TCTAGCACCG CCAATCTCTC CTCGCTTTCC 305 41 TCTACACCAA TCAGTCCCGC TACTACTCCT AGCCCCGCTC CTCTTCCCAC TCCCCTGAAG 306 01 CAAACAGACG GCGGCATGCA ATGGCAGATC ACCCTGCTCA TTGTGATCGG GTTGGTCATC 306 61 CTGGCCGTGT TGCTCTACTA CATCTTCTGC CGCCGCATC CCAACGCGCA CCGCAAGCCG	30181	AGTTTCACTA	GAAATAATGG	GTATGAATCC	CATAACATGT	TTATCTATGA	CGTCACTGTC
303 01 ACCAAGCAAA CCACACAGAC AACCACTTT TATACATCAA CTCAGCATAT GACCACCACT 303 61 ACAGCAGCAA AGCCAAGTAG CGCAGCGCCT CAGCCACAGG CTTTGGCTTT GAAAGCTGCA 304 21 CAACCTAGTA CAACTACTAA GACCAATGAG CAGACTACTG ATTTTTTGTC CACTGTCGAG 304 81 AGCCACACCA CAGCTACCTC CAGTGCCTTC TCTAGCACCG CCAATCTCTC CTCGCTTTCC 305 41 TCTACACCAA TCAGTCCCGC TACTACTCCT AGCCCCGCTC CTCTTCCCAC TCCCCTGAAG 306 01 CAAACAGACG GCGGCATGCA ATGGCAGATC ACCCTGCTCA TTGTGATCGG GTTGGTCATC 306 61 CTGGCCGTGT TGCTCTACTA CATCTTCTGC CGCCGCATC CCAACGCGCA CCGCAAGCCG	302 41						
303 61 ACAGCAGCAA AGCCAAGTAG CGCAGCGCCT CAGCCACAGG CTTTGGCTTT GAAAGCTGCA 304 21 CAACCTAGTA CAACTACTAA GACCAATGAG CAGACTACTG ATTTTTTGTC CACTGTCGAG 304 81 AGCCACACCA CAGCTACCTC CAGTGCCTTC TCTAGCACCG CCAATCTCTC CTCGCTTTCC 305 41 TCTACACCAA TCAGTCCCGC TACTACTCCT AGCCCCGCTC CTCTTCCCAC TCCCCTGAAG 306 01 CAAACAGACG GCGCATGCA ATGGCAGATC ACCCTGCTCA TTGTGATCGG GTTGGTCATC 306 61 CTGGCCGTGT TGCTCTACTA CATCTTCTGC CGCCGCATTC CCAACGCGCA CCGCAAGCCG							
304 21 CAACCTAGTA CAACTACTAA GACCAATGAG CAGACTACTG ATTTTTTGTC CACTGTCGAG 304 81 AGCCACACCA CAGCTACCTC CAGTGCCTTC TCTAGCACCG CCAATCTCTC CTCGCTTTCC 305 41 TCTACACCAA TCAGTCCCGC TACTACTCCT AGCCCCGCTC CTCTTCCCAC TCCCCTGAAG 306 01 CAAACAGACG GCGCATGCA ATGGCAGATC ACCCTGCTCA TTGTGATCGG GTTGGTCATC 306 61 CTGGCCGTGT TGCTCTACTA CATCTTCTGC CGCCGCATTC CCAACGCGCA CCGCAAGCCG	303 61	ACAGCAGCAA	AGCCAAGTAG	CGCAGCGCCT	CAGCCACAGG	CTTTGGCTTT	GAAAGCTGCA
305 41 TCTACACCAA TCAGTCCCGC TACTACTCCT AGCCCCGCTC CTCTTCCCAC TCCCCTGAAG 306 01 CAAACAGACG GCGCATGCA ATGGCAGATC ACCCTGCTCA TTGTGATCGG GTTGGTCATC 306 61 CTGGCCGTGT TGCTCTACTA CATCTTCTGC CGCCGCATTC CCAACGCGCA CCGCAAGCCG		CAACCTAGTA	CAACTACTAA	GACCAATGAG	CAGACTACTG	ATTTTTTGTC	CACTGTCGAG
305 41 TCTACACCAA TCAGTCCCGC TACTACTCCT AGCCCCGCTC CTCTTCCCAC TCCCCTGAAG 306 01 CAAACAGACG GCGCCATGCA ATGGCAGATC ACCCTGCTCA TTGTGATCGG GTTGGTCATC 306 61 CTGGCCGTGT TGCTCTACTA CATCTTCTGC CGCCGCATTC CCAACGCGCA CCGCAAGCCG							
306 61 CTGGCCGTGT TGCTCTACTA CATCTTCTGC CGCCGCATTC CCAACGCGCA CCGCAAGCCG	30541	TCTACACCAA	TCAGTCCCGC	TACTACTCCT	AGCCCCGCTC	CTCTTCCCAC	TCCCCTGAAG
306 61 CTGGCCGTGT TGCTCTACTA CATCTTCTGC CGCCGCATTC CCAACGCGCA CCGCAAGCCG	306 O 1	CAAACAGACG	GCGGCATGCA	ATGGCAGATC	ACCCTGCTCA	TTGTGATCGG	GTTGGTCATC
307 21 GTCTACAAGC CCATCGTTGT CGGGCAGCCG GAGCCGCTTC AGGTGGAAGG GGGTCTAAGG							
	30721	GTCTACAAGC	CCATCGTTGT	CGGGCAGCCG	GAGCCGCTTC	AGGTGGAAGG	GGGTCTAAGG

30781	AATCTTCTCT	TCTCTTTTAC	AGTATGGTGA	TTGAACTATG	ATTCCTAGAC	AATTCTTGAT
30841	CACTATTCTT	ATCTGCCTCC	TCCAAGTCTG	TGCCACCCTC	GCTCTGGTGG	CCAACGCCAG
30901		ATTGGGCCCT		CGTGCTCTTT	GCCTTCATCA	CCTGCATCTG
30961	CTGTTGTAGC	ATAGTCTGCC	TGCTTATCAC	CTTCTTCCAG	TTCATTGACT	GGATCTTTGT
31021	GCGCATCGCC	TACCTGCGCC	ACCACCCCCA	GTACCGCGAC	CAGCGAGTGG	CGCGACTGCT
31081	CAGGCTCCTC			CTACTTCTCG		
31141	CCCCGTCCCG			GAGGTCCGCA		
31201	TGGAAATTCC			TCAGACATGC		
31261	ATTGGGATCG	TGAACATTCT	GGCCTGCACC	CTCATCTCCT	TTGTGATTTA	CCCCTGCTTT
31321		GGAACTCGCC				CACACCACCA
31381				CCACCACAGC	CTAGGCCACA	ATACATGCCC
31441	ATATTAGACT	ATGAGGCCGA	GCCACAGCGA	CCCATGCTCC	CCGCTATTAG	TTACTTCAAT
31501				CAACAACAAC		
31561	CATGGACGGC	CGCGCCTCGG	AGCAGCGACT	CGCCCAACTC	CGCATCCGCC	AGCAGCAGGA
31621	GAGAGCCGTC	AAGGAGCTGC	AGGATGCGGT	GGCCATCCAC	CAGTGCAAGA	AAGGCATCTT
31681	CTGCCTGGTG	AAGCAGGCCA	AGATCTCCTA	CGAGGTCACC	CAGACCGACC	ATCGCCTCTC
31741	CTACGAGCTC	CTGCAGCAGC	GCCAGAAGTT	CACCTGCCTG	GTCGGAGTCA	ACCCCATCGT
31801	CATCACCCAG	CAGTCGGGCG	ATACCAAGGG	GTGCATCCAC	TGCTCCTGCG	ACTCCCCCA
31861	GTGCGTTCAC	ACCATGATCA	AGACCCTCTG	CGGCCTCCGC	GACCTCCTCC	CCATGAACTA
31921	ATCACCCCCT	TATCCAGTGA	AATAAAGATC	ATATTGATGA	TCDTTCDTCC	ααπαααααα
31981				ATTGATGATT		
32041				TCTGTCCATG		
32101	ACTCCCCTCT	TCCCAGCTCT	GGTACTGCAG	GCCCGGCGG	CCTCCAAACT	TCCTCCACAC
32161				CTCAATCTTC		
32221	TCCAAAAAGC			TTCGACCCCG		
32281				CCCTTCGTCT		
		CCCTCTTCTC	CCTCCCACTC	GCCGATCCCG	CIICAGAIGG	CAACCCCCCC
32401				CTCGACGACT		
32461				ATTTCCAACA		
32521				CTAGGTATGA		
32581				GTTGTTGCTT		
32641				GCATACCCAC		
32701	AAAATTGCCC			TTAAAAGTGG		
32761				ACAAAAGATG		
32821		CTATGACATT				
32881				GCCATTGGTG ACAGATGTTA		
32941				ACAGATGTTA		
33001				GCCGATCCAT		
33061		ATGCTAAGCT				TCACATATAT
33121	ACTGTTTCTC			TTGACAAAGT		
33181				AGCTTAAATC		
33241				AATGGAGTTT		
33301	CCMAMAGAAT	ATTGGAATTT	CAGAAAAGGA	GATGTGACAC	CTGCTGACCC	CTACACTAAT
33361	GCTATAGGCT.	TTATGCCCAA	CCTTAATGCA	TACCCAAAAA	ACACAAACGC	AGCTGCAAAA
33421	AGICACATIG	TTGGAAAAGT	ATACCTACAT	GGGGATGAAA	GCAAGCCACT	AGACTTGATA
	ATTACATTA	ATGAAACCAG	TGATGAATCC	TGTACTTATT	GCATTAACTT	TCAGTGGCAG
33481	TGGGGAACTG	ACCAATATAA	AGATGAAACA	CTTGCAGTCA	GTTCATTCAC	CTTCTCATAC
33541	ATTGCTAAAG	AATAACATCC	ACCCTGCATG	CCAACCCATT	TCCCTCTATC	TATACATGGA
33601	AAACTCTGAA	GCAGAAAAA	TAAAGTTCAA	GTGTTTTATT	GATTCAACAG	TTTTTACAGA
	ATTCGAGTAG	TTATTTCCC	TCCACCCTCC	CAACTCATGG	AATACACCAT	CCTCTCCCCA
33721				GTAATGGACA		
				TCGGTCAGGG		
33841	TCCTGCATCT	GCACCTCACA	GTTCAACAGC	TGAGGGCTGT	CCTCGGTGGT	CGGGATCACA
33901	GTTATCTGGA	AGAAGAGCGA	TGAGAGTCAT	AATCCGCGAA	CGGGATCGGG	CGGTTGTGGC
33961	GCATCAGGCC	CCGCAGCAGT	CGCTGTCTGC	GCCGCTCCGT	CAAGCTGCTG	CTCAAGGGGT
34021	CCGGGTCCAG	GGACTCCCCG	CGCATGATGC	CGATGGCCCT	GAGCATCAGT	CGCCTGGTGC
34081	GGCGGGCGCA	GCAGCGGATG	CGGATCTCAC	TCAGGTCGGA	ACAGTACGTG	CAGCACAGCA
34141	CTACCAAGTT	GTTCAACAGT	CCATAGTTCA	ACGTGCTCCA	GCCAAAACTC	ATCTGTGGAA

342 01	CTATGCTGCC	CACATGTCCA	TCGTACCAGA	TCCTGATGTA	AATCAGGTGG	CGCCCCCTCC	
342 61		GCCCATGTAC					
343 21	ACCACATCAC	CCGCTGGTTG	AACATGCAGC	CCCGGATGAT	CCTGCGGAAC	CACAGGGCCA	
343 81		GCCCGCCATG					
34441	TCCACCGCTC	GTACCCGTGG	ATCATCTGGG	AGCTGAACAA	GTCTATGTTG	GCACAGCACA	
345 01	GGCACACGCT	CATGCATCTC	TTCAGCACTC	TCAGCTCCTC	GGGGGTCAAA	ACCATATCCC	
345 61	AGGGTACGGG	GAACTCTTGC					
34621	AACTTACATT	GTGCATGGAC	AGGGTATCGC	AATCAGGCAG	CACCGGGTGA	TCCTCCACCA	
346 81		GGTCTCGATT					
347 4 1	GGCGGGACGC	GGCTGATCGT	GTTCGCGATC	GTGTCATGAT	GCAGTTGCTT	TCGGACATTT	
348 O1		TATAGCAGAA					
348 61		AACGCTCCGT					
34921	AGATCTAGGG	CCTCAGGAGT	GATGAAGATC	CCATCATGCC	TGATGGCTCT	GATCACATCG	
349 81		AATGGGCCAG					
350 <i>4</i> 1	GCGGGGGAGG	GAAGAACAGG	AAGAACCATG	ATTAACTTTA	ATCCAAACGG	TCTCGGAGCA	
351 O 1		AAGGTCGCGG					
351 6 1		AAAGGTGATA					
35221	CCACGCGCAC	ATCCAGAAAC	AAGACAATAG	CGAAAGCGGG	AGGGTTCTCT	AATTCCTCAA	
35281	TCATCATGTT	ACACTCCTGC	ACCATCCCCA	GATAATTTTC	ATTTTTCCAG	CCTTGAATGA	
35341	TTCGAACTAG	TTCCTGAGGT	AAATCCAAGC	CAGCCATGAT	AAAGAGCTCG	CGCAGAGCGC	
354 O 1		CATTCTTAAG					
35461		TTGACAAGCG					
35521	CAGCAATAAC	TGTAAGTACT	CTCTCATATC	CTCTCCGAAA	TTTTTAGCCA	TAGGACCGCC	
35581		TTAGGGCAAG					
356 4 1	GCCAAATGCA	AGACTGCTAT	AAGCATGCTG	GCTAGACCCG	GTGATATCTT	CCAGATAATT	
357 O 1	GGACAGAAAA	TCGCCCAGGC	AATTTTTAAG	AAAATCAACA	AAAGAAAAAT	CCTCCAGGTG	
.357 61	- CACGTTTAGA	GCCTCGGGAA	CAACGATGGA	GTAAATGCAA	GCGGTGCGTT	CCAGCATGGT	
35821	-TAGT:TAGCTG						
35881	AGGTGGGTAA	ATCGTTCTTT	CCAGCACCAG	GCAGGCCACG	GGGTCTCCGG	CGCGACCCTC	
35941		TCGCTATGAT				GGCCGGCGTG	
360 O 1		CAAGACGAAT					
36061	CCCGAGGAAG	CAATAAGGCA	CTACAATGCT	CAGTCTCAAG	TCCAGCAAAG	CGATGCCATG	
36121	CGGATGAAGC	ACAAAATTCT	CAGGTGCGTA	CAAAATGTAA	TTACTCCCCT	CCTGCACAGG	
36181		CCCGATCCCT			TCAGCGTCCA	TAGCTTACCG	
36241	AGCAGCAGCG					CTAACCTGTC	
363 O 1	CACCCGCTCT					CAAAGTCTAA	
36361	AAATACCCGC					GACACACTCA	
36421	GAAAAATACG					TCCCACGCTA	
36481	CGTCATCAAA					CGCCCCGCCC	
36541	CTAACGGTCG					AAACGGCTCA	
366 O 1	TTTGCATATT	AACGCGCACC	AAAAGTTTGA	GGTATATTAT	TGATGATG	(SEQ ID NO:	2)

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			AAACTTTTGG			
			GATTGGCTGC			
			TATGAGGCGG			
			TTGAACACGG			
			CGGATGCAAG			
			AGTAATTTCG			
			ATTACGTGGG			
			TCCGGTGTTT			
			TCAAGAGGCC			
			TCTACACTTT			
			GGGAACGAGA			
			CCTACCCCAT			
			GAGAGCGACC			
			GCCGAGCAGG			
			CCCGGCAGAG			
			TATGAGGAAT			
			GTGAACCAGG			
			GGACACGGCT			
1081	CTGGAGATAA	GAATGTGATG	TGTGCCCTGT	GCTATATGAG	AGCTTACAAC	CATTGTGTTT
1141	ACAGTAAGTG	TGATTAACTT	TAGTTGGGAA	GGCAGAGGGT	GACTGGGTGC	TGACTGGTTT
1201	ATTTATGTAT	ATGTTTTTT	ATGTGTAGGT	CCCGTCTCTG	ACGTAGATGA	GACCCCCACT
1261	TCAGAGTGCA	TTTCATCACC	CCCAGAAATT	GGCGAGGAAC	CGCCCGAAGA	TATTATTCAT
1321	AGACCAGTTG	CAGTGAGAGT	CACCGGGCGG	AGAGCAGCTG	TGGAGAGTTT	GGATGACTTG
1381	CTACAGGGTG	GGGATGAACC	TTTGGACTTG	TGTACCCGGA	AACGCCCCAG	GCACTAAGTG
1441	CCACACATGT	GTGTTTACTT	AAGGTGATGT	CAGTATTTAT	AGGGTGTGGA	GTGCAATAAA
15 0 1	ATCCGTGTTG	ACTTTAAGTG	CGTGTTTTAT	GACTCAGGGG	TGGGGACTGT	GGGTATATAA
1561	GCAGGTGCAG	ACCTGTGTGG	TCAGTTCAGA:	GCAGGACTCA	TGGAGATCTG	GACTGTCTTG
1621	GAAGACTTTC	ACCAGACTAG	ACAGTTGCTA	GAGAACTCAT	CGGAGGGAGT	CTCTTACCTG
1681	TGGAGATTCT	GCTTCGGTGG	GCCTCTAGCT	AAGCTAGTCT	ATAGGGCCAA	ACAGGATTAT
			TTTGAGAGAG			
			CCAGAGTATT			
			CTTTTTTGCC			
1921	CATTTCAGCA	GGGATTACCG	TCTGGACTGC	TTAGCAGTAG	CTTTGTGGAG	AACATGGAGG
			CTCCGGCTAC			
			CCAGGAACAC			
			AGAGAACCCG			
			TTTCCCGAGC			
			CGGGAGAGGC			
			AGGCGCCCAG			
			GTGATGCATG			
			GATTGGGAGG			
			AAGATTACCA			
2521	TTTCAGGGAA	TGGGGCCGAG	GTGGAGATCA	GTACCCAGGA	GAGGGTGGCC	ТТСАСАТСТТ
			GGGGTGGTGG			
			AATGGGGTGG			
			TTCAATAACA			
			GCCAACTGGA			
			TTCGAGAGGT			
			TCTACCGAGA			
			ATCTGTGGGG			
			CATATGCTGG			
			CATATGCTGG			
			TACCAGTGCA			
			AGCCTGACGG			
			TCCAAGACCA			
			TGTGTGGAGG			
			GAGTTCGGCT			
34ZI	AGTGTTTGGG	GCTGGGTGTG	AGCCTGCATG	AGGGGCAGAA	TGACTAAAAT	CTGTGGTTTT

FIG. 7A

2 4 2 1	~~~~~~					
			AGCGGAAGCG			
			TCCTGGGCGG			
			CCCGCGAACT			
			GCCGCCGCAG			
3721	GAATGGCCCT	GGGCGCCGGC	TACTACAGCT	CTCTGGTGGC	CAACTCGAGT	TCCACCAATA
3781	ATCCCGCCAG	CCTGAACGAG	GAGAAGCTGC	TGCTGCTGAT	GGCCCAGCTC	GAGGCCCTGA
3841	CCCAGCGCCT	GGGCGAGCTG	ACCCAGCAGG	TGGCTCAGCT	GCAGGCGGAG	ACGCGGGCCG
			AAATAAAAA			
			AATCTTTATT			
			ACCCGGTGGA			
			ATGAGCCCGT			
			TTGTAAATCA			
			AGGAGACTGA			
			GAGGGATGCA			
			TTCCCGCCCA			
			GTGCACTTGG			
			CCCTTGTGAC			
4501			GCGGCGGCCT			
			AGCTCGTCAT			
4621			GTGCCCTCGA			
			TCGGAGGGGG			
			GAGATGAGCT			
			CCGTAGATGA			
			TCGCGGAGGA			
			AGTTCCGCCA			
4981	CTTGCAGCGA	GGCGAAGTTT	TTCAGCGGCT	TGAGTCCGTC	GGCCATGGGC	ATTTTGGAGA
5-041	GGGTCTGTTG	CAAGAGTTCC	AGACGGTCCC	AGAGCTCGGT	.GATGTGCTCT	AGGGCATCTC
5101	GATCCAGCAG	ACCTCCTCGT	TTCGCGGGTT	GGGGCGACTG	CGGGAGTAGG	GCACCAGGCG
5161	ATGGGCGTCC	AGCGAGGCCA	GGGTCCGGTC	CTTCCAGGGC	CGCAGGGTCC	GCGTCAGCGT
5221.	GGTCTCCGTC	ACGGTGAAGG	GGTGCGCGCC.	GGGCTGGGCG	CTTGCGAGGG	TGCGCTTCAG
			ACCGCTCCCG-			
			TGAGCGCCTC			
			CGGGACAGAG			
			CGTAGGCGTC			
			CGGGGCGGTT			
5581			TGGTCTCCAT			
			CCGACTTTAT			
			CCCACTCCGA			
			AGCGGTCGTT			
			CGTCCACATC			
			CCGGGGGGGT			
			CCAGGAGCGC			
						000101001
			TCAGGTTGTC			
			CTTTCATGAG			
			TGGCGAAGGA			
			TCTTTTCCTT			
			CGCACTTCCA			
			CGCGGTTGTG			
			TGGTCCAGCA			
			GCTCGTCGGG			
			AGCTGATGCA			
			GCTCGTAGGG			
			TGCCGCAGAT			
			AGCGCCCCC			
			GCCCCGTGCC			
6781	GTAGACGATC	TGGCGGAAGA	TGGCGTGGGA	GTTGGAGGAG	ATGGTGGGCC	TTTGGAAGAT
			GGCCGACCGA			
6901	CAGCTTGGCG	ACGAGCTCGG	CGGTGACGAG	GACGTCCAGG	GCGCAGTAGT	CGAGGGTCTC

FIG. 7B

6961	TTGGATGATG	TCATACTTGA	GCTGGCCCTT	CTGCTTCCAC	AGCTCGCGGT	TGAGAAGGAA
	CTCTTCGCGG					
	GCCCACCATG					
	GGCGTAAGCT					
	CATGACCTTG					
	TTGGAAGTCC					
	GAGGATCTTG					
	GGCCCGGTTG					
	CCCGACGATG					
	CTCGTCGTAG					
	GACGTGGGGG					
	GCGGTCCCGG					
	GAAGGTGCGG					
	GAGCTCGACG					
	CTTGCCGAAG					
	GGTGCGAGGA					
	GCTGTTGATG					
	ATACAAGCGT					
				•		
	CTGGGTTCCT					
	CTGTACTACG					
	GAGCCCGCGC					
	GGCGCGCAGG					
	CGGCGCGCG					
	CTTGATCTCC					
	GGGCGCCACC					
	CGGCGAGGAC					
	-GGEACGTCGG					
	GCGACGACGC					
	GTGAGTTTGA					
8701	- TGCCGCAGGA	TCTCTTGCAC	GTCGCCCGAG	TTGTCCTGGT	AGGCGATCTC	GGTCATGAAC
	TGCTCGATCT					
8821	TCGTTGGAGA	TGCGGCCCAT	GAGCTGCGAG	AAGGCGTTCA	TGCCGGCCTC	GTTCCAGACG
8881	CGGCTGTAGA	CCACGGCTCC	GTCGGGGTCG	CGCGCGCGCA	TGACCACCTG	GGCGAGGTTG
8941	AGCTCGACGT	GGCGCGTGAA	GACCGCGTAG	TTGCAGAGGC	GCTGGTAGAG	GTAGTTGAGC
9001	GTGGTGGCGA	TGTGCTCGGT	GACGAAGAAG	TACATGATCC	AGCGGCGGAG	CGGCATCTCG
9061	CTGACGTCGC	CCAGGGCTTC	CAAGCGTTCC	ATGGCCTCGT	AGAAGTCCAC	GGCGAAGTTG
9121	AAAAACTGGG	AGTTGCGCGC	CGAGACGGTC	AACTCCTCCT	CCAGAAGACG	GATGAGCTCG
9181	GCGATGGTGG	CGCGCACCTC	GCGCTCGAAG	GCCCCGGGGG	GCTCCTCTTC	CATCTCCTCC
9241	TCTTCCTCCT	CCACTAACAT	CTCTTCTACT	TCCTCCTCAG	GAGGCGGTGG	CGGGGGAGGG
9301	GCCCTGCGTC	GCCGGCGGCG	CACGGGCAGA	CGGTCGATGA	AGCGCTCGAT	GGTCTCCCCG
9361	CGCCGGCGAC	GCATGGTCTC	GGTGACGGCG	CGCCCGTCCT	CGCGGGGCCG	CAGCATGAAG
9421	ACGCCGCCGC	GCATCTCCAG	GTGGCCGCCG	GGGGGGTCTC	CGTTGGGCAG	GGAGAGGGCG
9481	CTGACGATGC	ATCTTATCAA	TTGACCCGTA	GGGACTCCGC	GCAAGGACCT	GAGCGTCTCG
9541	AGATCCACGG	GATCCGAAAA	CCGCTGAACG	AAGGCTTCGA	GCCAGTCGCA	GTCGCAAGGT
9601	AGGCTGAGCC	CGGTTTCTTG	TTCTTCGGGT	ATTTGGTCGG	GAGGCGGCGG	GCGATGCTGC
9661	TGGTGATGAA	GTTGAAGTAG	GCGGTCCTGA	GACGGCGGAT	GGTGGCGAGG	AGCACCAGGT
9721	CCTTGGGCCC	GGCTTGCTGG	ATGCGCAGAC	GGTCGGCCAT	GCCCCAGGCG	TGGTCCTGAC
9781	ACCTGGCGAG	GTCCTTGTAG	TAGTCCTGCA	TGAGCCGCTC	CACGGGCACC	TCCTCCTCGC
9841	CCGCGCGGCC	GTGCATGCGC	GTGAGCCCGA	ACCCGCGCTG	CGGCTGGACG	AGCGCCAGGT
9901	CGGCGACGAC	GCGCTCGGTG	AGGATGGCCT	GCTGGATCTG	GGTGAGGGTG	GTCTGGAAGT
	CGTCGAAGTC					
	TGACGGACCA					
	AGTAGGCGCG					
	CGAGGAAGTG					
	GCGCGAGGTC					
	TGCCGGCGGC					
	GCGGCAGGAA			*		
	TGCTCTAGAC					
TO 0 0 T	-ocicinone	1111COGGCAM		00101100000		COCCIOGAGG

FIG. 7C

	10441	CTAAGCGAAC	GGGTTGGGCT	GCGCGTGTAC	CCCGGTTCGA	ልጥሮጥሮሮል ልጥሮ	ACCCTCCACC
	10501	CGCAGCTAAC	GTGGTACTGG	CACTCCCGTC	TCGACCCAAG	CCTCCTAACC	AAACCTCCAG
	10561	GATACGGAGG	CGGGTCGTTT	TTTGGCCTTG	GTCGCTGGTC	ATGAAAAACT	ACTAACCCCC
	10621	GAAAGCGGCC	GCCCGCGATG	GCTCGCTGCC	GTAGTCTGGA	CAAACAATCC	CCAGGGTTGC
	10681	GTTGCGGTGT	GCCCCGGTTC	GAGCCTCAGC	GCTCGGCGCC	GGCCGGATTC	CCCCCCTAAC
	10741	GTGGGCGTGG	CTGCCCCGTC	GTTTCCAAGA	CCCCTTACCC	ACCCCACTTC	TCCACTTACC
	10801	GAGCGAGCCC	CACAAAAAAAA	ጥጥርጥጥርጥርጥጥ	TTTCCCACAT	CCATCCCCTA	CTCCGGTTACG
	10861	TGCGCCCCA	CCCTCCACCA	CAACCGCCCC	TACCGCAGCA	CCACCAACAC	CIGCGGCAGA
	10921	TGCCCCGCC	CCAGCAGCAG	CCAGCCACTA	CCGCGCGCC	CCCCCTCACC	CCGGCGCTTC
	10981	TTCAGTATGA	CCTGGCCTTG	GAAGAGGGCG	AGGGGGGGGG	CCCCCTGAGC	CCCTCCTCCC
	11041	CGGAGCGGCA	CCCGCGCGTG	CAGATGAAAA	GGGACGCTCG	CGAGGCTGAGG	GCGTCGTCGC
	11101	AGAACCTGTT	CAGAGACAGG	AGCGGCGAGG	AGCCCGAGGA	CATCCCCCCC	TCCCCAAGC
	11161	ACGCGGGGCG	GGAGCTGCGG	CGCGGCCTGA	ACCGAAAGCG	CCTCCTCACC	CACCACCATT
	11221	TCGAGGCGGA	CGAGCTGACG	GGGATCAGCC	CCGTGCGCGC	GCACGTGGTC	CNCCNCAACC
	11281	TGGTCACGGC	GTACGAGCAG	ACCGTGAAGG	ACCACACCAA	CTTCCDDDDC	TOOTTO A A CA
	11341	ACCACGTGCG	CACCTTGATC	GCGCGCGAGG	AGGTGACCCT	GGGCCTGATG	CACCTCTCCC
	11401	ACCTGCTGGA	GGCCATCGTG	CAGAACCCCA	CGAGCAAGCC	CCTCACCCCC	CACCTCTTTC
	11461	TGGTGGTGCA	GCACAGTCGG	GACAACGAGA	CGTTCAGGGA	GGCGCTGCTG	AATATCACCC
	11521	AGCCCGAGGG	CCGCTGGCTC	CTGGACCTGG	TGAACATTTT	GCAGAGCATC	GTGGTGCAGG
		AGCGCGGCT					
	11641	GCAAGTACTA	CGCTAGGAAG	ATCTACAAGA	CCCCGTACGT	GCCCATAGAC	AAGGAGGTGA
	11701	AGATCGACGG	GTTTTACATG	CGCATGACCC	TGAAAGTGCT	GACCCTGAGC	GACGATCTGG
	11761	GGGTGTACCG	CAACGACAGG	ATGCACCGCG	CGGTGAGCGC	CAGCCGCCGG	CGCGAGCTGA
	11821	GCGACCAGGA	GCTGATGCAC	AGCCTGCAGC	GGGCCCTGAC	CGGGGCCGGG	ACCGAGGGGG
	11881	AGAGCTACTT	TGACATGGGC	GCGGACCTGC	GCTGGCAGCC	CAGCCGCCGG	CCCTTCCAAC
	11941	CTGCCGGCGG	TTCCCCCTAC	GTGGAGGAGG	TGGACGATGA	GGAGGAGGAG	GGCGAGTACC
		TGGAAGACTG					
		TCCTGATCCC					
		CGATTGGACC					
	12181	TAGACAGCAG	CCTCAGGCCA	ACCGGCTCTC	GGCCATCCTG	GAGGCCGTGG	TGCCCTCGCG
-	12241	CTCGAACCCC	ACGCACGAGA	AGGTGCTGGC	CATCGTGAAC	GCGCTGGTGG	AGAACAAGGC
	12301	CATCCGCGGT	GACGAGGCCG	GGCTGGTGTA	CAACGCGCTG	CTGGAGCGCG	TGGCCCGCTA
	12361	CAACAGCACC	AACGTGCAGA	CGAACCTGGA	CCGCATGGTG	ACCGACGTGC	GCGAGGCGGT
	12421	GTCGCAGCGC	GAGCGGTTCC	ACCGCGAGTC	GAACCTGGGC	TCCATGGTGG	CGCTGAACGC
		CTTCCTGAGC					
		CAGCGCGCTG					
	12601	GGACTACTTC	TTCCAGACCA	GTCGCCAGGG	CTTGCAGACC	GTGAACCTGA	GCCAGGCTTT
		CAAGAACTTG					
		GAGCCTGCTG					
		CGGCAGCGTG					
		CGGACAGGCG					
	12901	GGGCCAGGAG	GACCCGGGCA	ACCTGGAGGC	CACCCTGAAC	TTCCTGCTGA	CCAACCGGTC
	12961	GCAGAAGATC	CCGCCCCAGT	ACGCGCTGAG	CACCGAGGAG	GAGCGCATCC	TGCGCTACGT
		GCAGCAGAGC					
	13081	CATGACCGCG	CGCAACATGG	AGCCCAGCAT	GTACGCCCGC	AACCGCCCGT	TCATCAATAA
	13141	GCTGATGGAC	TACTTGCATC	GGGCGGCCGC	CATGAACTCG	GACTACTTTA	CCAACGCCAT
	13201	CTTGAACCCG	CACTGGCTCC	CGCCGCCCGG	GTTCTACACG	GGCGAGTACG	ACATGCCCGA
	13261	CCCCAACGAC	GGGTTCCTGT	GGGACGACGT	GGACAGCAGC	GTGTTCTCGC	CGCGTCCAGG
		AACCAATGCC					
	13381	TCGCGCGGGT	GCTGCCGCGG	CGGTGCCCGA	GGCCGCCAGC	CCCTTCCCGA	GCCTGCCCTT
	13441	TTCGCTGAAC	AGCGTGCGCA	GCAGCGAGCT	GGGICGGCIG	ACGCGACCGC	GCC LGC LGGG
	13501	CGAGGAGGAG	TACCTGAACG	ACTCCTTGTT	GAGGCCCGAG	CGCGAGAAGA	ACTTCCCCAA
	13501 13561	CGAGGAGGAG TAACGGGATA	TACCTGAACG GAGAGCCTGG	ACTCCTTGTT TGGACAAGAT	GAGGCCCGAG GAGCCGCTGG	CGCGAGAAGA AAGACGTACG	ACTTCCCCAA CGCACGAGCA
	13501 13561 13621	CGAGGAGGAG TAACGGGATA CAGGGACGAG	TACCTGAACG GAGAGCCTGG CCCCGAGCTA	ACTCCTTGTT TGGACAAGAT GCAGCGCAGG	GAGGCCCGAG GAGCCGCTGG CACCCGTAGA	CGCGAGAAGA AAGACGTACG CGCCAGCGGC	ACTTCCCCAA CGCACGAGCA ACGACAGGCA
	13501 13561 13621 13681	CGAGGAGGAG TAACGGGATA CAGGGACGAG GCGGGGACTG	TACCTGAACG GAGAGCCTGG CCCCGAGCTA GTGTGGGACG	ACTCCTTGTT TGGACAAGAT GCAGCGCAGG ATGAGGATTC	GAGGCCCGAG GAGCCGCTGG CACCCGTAGA CGCCGACGAC	CGCGAGAAGA AAGACGTACG CGCCAGCGGC AGCAGCGTGT	ACTTCCCCAA CGCACGAGCA ACGACAGGCA TGGACTTGGG
	13501 13561 13621 13681 13741	CGAGGAGGAG TAACGGGATA CAGGGACGAG GCGGGGACTG TGGGAGTGGT	TACCTGAACG GAGAGCCTGG CCCCGAGCTA GTGTGGGACG GGTAACCCGT	ACTCCTTGTT TGGACAAGAT GCAGCGCAGG ATGAGGATTC TCGCTCACCT	GAGGCCCGAG GAGCCGCTGG CACCCGTAGA CGCCGACGAC GCGCCCCCGT	CGCGAGAAGA AAGACGTACG CGCCAGCGGC AGCAGCGTGT ATCGGGCGCC	ACTTCCCCAA CGCACGAGCA ACGACAGGCA TGGACTTGGG TGATGTAAGA
	13501 13561 13621 13681 13741 13801	CGAGGAGGAG TAACGGGATA CAGGGACGAG GCGGGGACTG	TACCTGAACG GAGAGCCTGG CCCCGAGCTA GTGTGGGACG GGTAACCCGT ATAAAAGACG	ACTCCTTGTT TGGACAAGAT GCAGCGCAGG ATGAGGATTC TCGCTCACCT GTACTCACCA	GAGGCCGAG GAGCCGCTGG CACCCGTAGA CGCCGACGAC GCGCCCCCGT AGGCCATGGC	CGCGAGAAGA AAGACGTACG CGCCAGCGGC AGCAGCGTGT ATCGGGCGCC GACCAGCGTG	ACTTCCCCAA CGCACGAGCA ACGACAGGCA TGGACTTGGG TGATGTAAGA CGTTCTTCTC

FIG. 7D

13921	GAGCGTGATG	CAGCAGGCGG	TGGCGGCGGC	GATGCAGCCC	CCGCTGGAGG	CGCCTTACGT
13981	. GCCCCCGGCGG	TACCTGGCGC	CTACGGAGGG	GCGGAACAGC	ATTCGTTACT	CGGAGCTGGC
14041	. ACCCTTGTAC	GATACCACCC	GGTTGTACCT	GGTGGACAAC	AAGTCGGCAG	ACATCGCCTC
14101	GCTGAACTAC	CAGAACGACC	ACAGCAACTT	CCTGACCACC	GTGGTGCAGA	ACAACGATTT
14161	CACCCCCACG	GAGGCCAGCA	CCCAGACCAT	CAACTTTGAC	GAGCGCTCGC	GGTGGGGCGG
14221	CCAGCTGAAA	ACCATCATGC	ACACCAACAT	GCCCAACGTG	AACGAGTTCA	TGTACAGCAA
14281	CAAGTTCAAG	GCGCGGGTGA	TGGTCTCGCG	CAAGACCCCC	AACGGGGTGG	ATGATGATTA
14341	TGATGGTAGT	CAGGACGAGC	TGACCTACGA	GTGGGTGGAG	TTTGAGCTGC	CCGAGGGCAA
14401	CTTCTCGGTG	ACCATGACCA	TCGATCTGAT	' GAACAACGCC	ATCATCGACA	ACTACTTGGC
14461	GGTGGGGGCGG	CAGAACGGGG	TGCTGGAGAG	CGACATCGGC	GTGAAGTTCG	ACACGCGCAA
14521	CTTCCGGCTG	GGCTGGGACC	CCGTGACCGA	GCTGGTGATG	CCGGGCGTGT	ACACCAACGA
14581	GGCCTTCCAC	CCCGACATCG	TCCTGCTGCC	CGGCTGCGGC	GTGGACTTCA	CCGAGAGCCG
14641	CCTCAGCAAC	CTGCTGGGCA	TCCGCAAGCG	GCAGCCCTTC	CAGGAGGGCT	TCCAGATCCT
14701	GTACGA:GGAC	CTGGAGGGGG	GCAACATCCC	CGCGCTCTTG	GATGTCGAAG	CCTACGAGAA
14761	AAGCA A GGAG	GATAGCACCG	CCGCGGCGAC	CGCAGCCGTG	GCCACCGCCT	CTACCGAGGT
14821	GCGGGGCGAT	AATTTTGCTA	GCGCTGCGGC	AGCGGCCGAG	GCGGCTGAAA	CCGAAAGTAA
14881	GATAGTCATC	CAGCCGGTGG	AGAAGGACAG	CAAGGACAGG	AGCTACAACG	TGCTCGCGGA
14941	CAAGAAAAC	ACCGCCTACC	GCAGCTGGTA	CCTGGCCTAC	AACTACGGCG	ACCCCGAGAA
15001	GGGCGTGCGC	TCCTGGACGC	TGCTCACCAC	CTCGGACGTC	ACCTGCGGCG	TGGAGCAAGT
15061	CTACTGGTCG	CTGCCCGACA	TGATGCAAGA	CCCGGTCACC	TTCCGCTCCA	CGCGTCAAGT
15121	TAGCAACTAC	CCGGTGGTGG	GCGCCGAGCT	CCTGCCCGTC	TACTCCAAGA	GCTTCTTCAA
15181	CGAGCA GGCC	GTCTACTCGC	AGNAGCTGCG	CGCCTTCACC	TCGCTCACGC	ACGTCTTCAA
15241	CCGCTTCCCC	GAGAACCAGA	TCCTCGTCCG	CCGCCGCGCC	CACCATTACC	ACCGTCAGTG
15301	AAAACGTTCC	TGCTCTCACA	GATCACGGGA	CCCTGCCGCT	GCGCAGCAGT	ATCCGGGGAG
15361	TCCAGC GCGT	GACCGTCACT	GACGCCAGAC	GCCGCACCTG	CCCCTACGTC	TACAAGGCCC
15421	TGGGCGTAGT	CGCGCCGCGC	GTCCTCTCGA	GCCGCACCTT	CTAAAAAATG	TCCATTCTCA
15481	TCTCGC CCAG	TAATAACACC	GGTTGGGGCC	_TGCGCGCGCC	CAGCAAGATG	TACGGAGGCG
15541	CTCGCC AACG	CTCCACGCAA	CACCCCGTGC	GCGTGCGCGG	GCACTTCCGC	GCTCCCTGGG
15601	GCGCCC TCAA	GGGCCGCGTG	CGCTCGCGCA	CCACCGTCGA	CGACGTGATC	GACCAGGTGG
15661	TGGCCGACGC	GCGCAACTAC	ACGCCCGCCG	CCGCGCCCGT	CTCCACCGTG	GACGCCGTCA
15721	TCGACAGCGT	GGTGGCCGAC	GEGEGECGGT	ACGCCCGCAC	CAAGAGCCGG	CGGCGGCGCA
15781	TCGCCC GGCG	GCACCGGAGC	ACCCCCCCCA	TGCGCGCGGC	GCGAGCCTTG	CTGCGCAGGG
15841	CCAGGC GCAC	GGGACGCAGG	GCCATGCTCA	GGGCGGCCAG	ACGCGCGGCC	TCCGGCAGCA
15901	GCAGCG*CCGG	CAGGACCCGC	AGACGCGCGG	CCACGGCGGC	GGCGGCGGCC	ATCGCCAGCA
15961	TGTCCC GCCC	GCGGCGCGC	AACGTGTACT	GGGTGCGCGA	CGCCGCCACC	GGTGTGCGCG
16021	TGCCCGTGCG	CACCCGCCCC	CCTCGCACTT	GAAGATGCTG	ACTTCGCGAT	GTTGATGTGT
16081	CCCAGC GGCG	AGGAGGATGT	CCAAGCGCAA	ATACAAGGAA	GAGATGCTCC	AGGTCATCGC
16141	GCCTGA_GATC	TACGGCCCCG	CGGCGGCGGT	GAAGGAGGAA	AGAAAGCCCC	GCAAACTGAA
16201	$GCGGGT^{\mathbf{CAAA}}$	AAGGACAAAA	AGGAGGAGGA	AGATGACGGA	CTGGTGGAGT	TTGTGCGCGA
16261	GTTCGC CCCC	CGGCGGCGCG	TGCAGTGGCG	CGGGCGGAAA	GTGAAACCGG	TGCTGCGGCC
16321	CGGCAC CACG	GTGGTCTTCA	CGCCCGGCGA	GCGTTCCGGC	TCCGCCTCCA	AGCGCTCCTA
16381	CGACGA_GGTG	TACGGGGACG	AGGACATCCT	CGAGCAGGCG	GTCGAGCGTC	TGGGCGAGTT
16441	TGCGTA.CGGC	AAGCGCAGCC	GCCCCGCGCC	CTTGAAAGAG	GAGGCGGTGT	CCATCCCGCT
16501	GGACCA.CGGC	AACCCCACGC	CGAGCCTGAA	GCCGGTGACC	CTGCAGCAGG	TGCTACCGAG
16561	CGCGGC GCCG	CGCCGGGGCT	TCAAGCGCGA	GGGCGGCGAG	GATCTGTACC	CGACCATGCA
16621	$\mathtt{GCTGAT}\mathbf{G}\mathtt{GTG}$	CCCAAGCGCC	AGAAGCTGGA	GGACGTGCTG	GAGCACATGA	AGGTGGACCC
16681	CGAGGT GCAG	CCCGAGGTCA	AGGTGCGGCC	CATCAAGCAG	GTGGCCCCGG	GCCTGGGCGT
16741	GCAGAC CGTG	GACATCAAGA	TCCCCACGGA	GCCCATGGAA	ACGCAGACCG	AGCCCGTGAA
16801	GCCCAG CACC	AGCACCATGG	AGGTGCAGAC	GGATCCCTGG	ATGCCAGCAC	CAGCTTCCAC
16861	CAGCAC TCGC	CGAAGACGCA	AGTACGGCGC	GGCCAGCCTG	CTGATGCCCA	ACTACGCGGC
16921	TGCATC CTTC	CATCATCCCC	ACGCCGGGCT	ACCGCGGCAC	GCGCTTCTAC	CGCGGCTACA
16981	CCAGCA GCCG	CCGCCGCAAG	ACCACCACCC	GCCGCCGTCG	TCGCAGCCGC	CGCAGCAGCA
17041	CCGCGACTTC	CGCCTTGGTG	CGGAGAGTGT	ATCGCAGCGG	GCGCGAGCCT	CTGACCCTCC
17101	CGCGCG CGCG	CTACCACCCG	AGCATCGCCA	TTTAACTACC	GCCTCCTACT	TGCAGATATC
17161	GCCCTCACAT	GCCGCCTCCG	CGTCCCCATT	ACGGGCTACC	GAGGAAGAA	CCCCCCCCC
17221	AGAAGGCTGA	CGGGGAACGG	GCTGCGTCGC	CATCACCACC	GGCGGCGGCG	CGCCATCAGC
17281	AAGCGGTTGG	GGGGAGGCTT	CCTGCCCGCG	CTGATCCCCA	TCATCGCCGC	GGCGATCGGG
17341	GCGATCCCCG	GCATAGCTTC	CGTGGCGGTG	CAGGCCTCTC	AGCGCCACTG	AGACACAAAA

1 7 4 0 1						
1/401	AAGCATGGAT	TTGTAATAAA	AAAAAAAATG	GACTGACGCT	CCTGGTCCTG	TGATGTGTGT
	TTTTAGATGG					
	ATGGGCACCT					
	AGTCTCTGGA					
	TGGAACAGCA					
17701	AAGGTGGTTG	ATGGCCTGGC	CTCAGGCATC	AACGGGGTGG	TTGACCTGGC	CAACCAGGCC
17761	GTGCAGAAAC	AGATCAACAG	CCGCCTGGAC	GCGGTCCCGC	CCGCGGGGTC	CGTGGAGATG
	CCCCAGGTGG					
	GACGCGGAGG					
	AAACTGGGCC					
	AGCAGCAGCC					
	CCCCTGCCGC					
	CAGAGCACTC					
	TATTAAAAGA					
	CAGAAGGAGG					
	TGCCCCAGTG					
	GTCTGGTGCA					
	ACCCCACGGT					
	GCTTCGTGCC					
	CCGTGGGCGA					
	TGGACCGGG					
	AGGGAGCTCC					
	AAACACACAC					
	AAATTGGAAC					
	AACCAGAACC					
	GAGCTCTTAA					
	ATGAAAAAGG					
	$\mathtt{TCGACATAGA}$					
19081	${\tt ATAAAGCAGA}$	CATTGTCATG	TATACCGAAA	ACACGTATTT	GGAAACTCCA	GACACGCATG
19141	TGGTATACAA	ACCAGGCAAG	GATGATGCAA	GTTCTGAAAT	TAACCTGGTT	CAGCAGTCTA
19201	TGCCCAACAG	ACCCAACTAC	ATTGGGTTCA	GGGACAACTT	TATCGGTCTT	ATGTACTACA
19261	ACAGCACTGG	CAATATGGGT	GTGCTTGCTG	GTCAGGCCTC	CCAGCTGAAT	GCTGTGGTTG
	ATTTGCAAGA					
	GAACCCGGTA					
	TCATCGAAAA					
	CTGGCACTAA					
	AGAGTGAATG					
	TTTTCGCCAT					
	TGGCCCTGTA					
	ACACCAACAC					
	ACCTCAACAT					
	ACCACCGCAA					
	CCTTCCACAT					
19981	GGTCCTACAC	CTAGGIGCCC	V V CAMACACAV	1 CGCCATCAA	CAMCAMCCMC	CICCIGCCG
	TAGGCAACGA					
	CCACCTTCTT					
	ACACCAACGA					
	CGGCCAACGC					
2028I	GATGGTCCTT	CACGCGCCTG	AAGACCCGCG	AGACGCCCTC	GCTCGGCTCC	GGGTTCGACC
20341	CCTACTTCGT	CTACTCGGGC	TCCATCCCCT	ACCTAGACGG	CACCTTCTAC	CTCAACCACA
20401	CCTTCAAGAA	GGTCTCCATC	ACCTTCGACT	CCTCCGTCAG	CTGGCCCGGC	AACGACCGCC
20461	TCCTGACGCC	CAACGAGTTC	GAAATCAAGC	GCACCGTCGA	CGGAGAGGGA	TACAACGTGG
	CCCAGTGCAA					
20581	GCTACCAGGG	CTTCTACGTG	CCCGAGGGCT	ACAAGGACCG	CATGTACTCC	TTCTTCCGCA
20641	ACTTCCAGCC	CATGAGCCGC	CAGGTCGTGG	ACGAGGTCAA	CTACAAGGAC	TACCAGGCCG
	TCACCCTGGC					
20761	GCCAGGGCCA	GCCCTACCCC	GCCAACTACC	CCTACCCGCT	CATCGGCAAG	AGCGCCGTCG
20821	CCAGCGTCAC	CCAGAAAAAG	TTCCTCTGCG	ACCGGGTCAT	GTGGCGCATC	CCCTTCTCCA

21661	GCTTCC TCAA	TGCCCACTCC	CCCTACTTC	CCTCCCACCC	CCCCCCATC	CACAACCCCA
	GCAACTTCAT					
	CCGCCCACGC					
	ATGTTGTCTT					
	AAGCCGTCTA					
	CTTCTTGCAA					
	TGGGCTGCGG					
	CGCACAAGCT					
	GGCTGGCCTT					
	TCTCGGACGA					
	GCGCCCTGGC					
	GTCCGC GCTC					
	GGCCCGACCG					
	GCATGC TCCA					
	CCGCCTTCGA					
	ATTCATAATA					
21841	ATCGAAGGGG	TTÇTGCCGGC	TCTCGGCATG	GCCCGCGGGC	AGGGATACGT	TGCGGAACTG
21901	GTACTTGGGC	AGCCACTTGA	ACTCGGGGAT	CAGCAGCTTG	GGCACGGGGA	GGTCGGGGAA
	CGAGTCGCTC					
	CTTGAAATCG					
	GCACTGGAAC					
	GCCCTCCACG					
	CCGCCCCATG					
	CATCATCTGG					
	CTGGCGGAAG					
	AGAGAACTGG					
	CAGCTGCACC					
	CTTCAGCGCG					
	GATCATCACG					
	CCACAGCGCG					
2208I	GAAGCCCTGC	AGGAAGCGGC	CCATCATCGC	GGTCAGGGTC	TTGTTGCTGG	TGAAGGTCAG
	CGGGATGCCG					
	CTGCTCGGGC					
	CAGCAGCGTC					
	GTTCTTCACC					
	CAGGGTCTCA					
	GCCCACGGCC					
	TTGCAAAGGC					
	TGTGCTGGGA					
	CGAGACCACG					
23281	GCGGTTCGGC					
	$\mathtt{CTGCTCTGAC}$					
	CATGGAGACT					
	GAACCAGCAG					
23521	GGCCCCAGAC	ATGCAAGAGA	TGGAGGAATC	CATCGAGATT	GACCTGGGCT	ACGTGACGCC
23581	CGCGGAGCAC	GAGGAGGAGC	TGGCAGCGCG	CTTTTCAGCC	CCGGAAGAGA	ACCACCAAGA
23641	GCAGCCAGAG	CAGGAAGCAG	AGAACGAGCA	GAACCAGGCT	GGGCACGAGC	ATGGCGACTA
	CCTGAGCGGG					
	GGACGCGCTG					
	CGAGCGCAAC					
	GCCCAACCCG					
23941	CCACCTCTTT	TTCAAGAACC	AAAGGATCCC	CGTCTCCTGC	CGCGCCAACC	GCACCCGCGC
24001	CGACGCCCTG	CTCAACCTGG	GCCCCGGCGC	CCGCCTACCT	GATATCACCT	ССФФССВВСВ
	GGTTCCCAAG					
	AGGAAGCGGA					
	GCGCCTGGCG					
	CCTGCCCCCC					
	CCTCTCGGAG					
JUI	CCICICEGAG	JULADADDE	AUJJJJADDA	GWG1 TCGGWC	JOAAJOODAGU	CCGTGGTCAG

	CGACGAGCAG					
24421	GCGCAAGCTC	ATGATGGCCG	TGGTCCTGGT	GACCGTGGAG	CTGGAGTGTC	TGCGCCGCTT
24481	CTTTGCCGAC	GCGGAGACCC	TGCGCAAGGT	CGAGGAGAAC	CTGCACTACC	TCTTCAGGCA
24541	CGGGTTCGTG	CGCCAGGCCT	GCAAGATCTC	CAACGTGGAG	CTGACCAACC	TGGTCTCCTA
24601	CATGGGCATC	CTGCACGAGA	ACCGCCTGGG	GCAAAACGTG	CTGCACACCA	CCCTGCGCGG
24661	GGAGGCCCGC	CGCGACTACA	TCCGCGACTG	CGTCTACCTG	TACCTCTGCC	ACACCTGGCA
	GACGGGCATG					
	GCTCCTGCAG					
24841	GGACCTGGCC	GACCTCATCT	TCCCCGAGCG	ССТСССССТС	ACCCTCCCCA	ACCCCCTCCC
24901	CGACTTTATG	AGCCAAAGCA	TGTTGCAAAA	CUTUCCCCTC	TTCATCCTCC	AACGCTCCCC
	GATCCTGCCC					
25021	GTGCCCCCCG	CCGCTCTGGA	GCCACTGCTA	CTTCCTCCCC	CTCCCCAACT	ACCTCCCCCTA
	CCACTCGGAC					
	CAACCTCTGC					
	GATCATCGGC					
	ACTCACCCCG					
	TCCCTTCGAG					
	CTGCGTCATC					
	AGAATTTCTG					
	CAACCCCAGC					
	CGCCGCCGGA					
	AAGACTGGGA					
	ACGAGGTGGA					
	AAGCAAGCAG					
	GTAGGTGGGA					
	GCAGGGGATAC					
						TGAACTTCCC
	CCGCAACATC					
	GGCAGAAACC					
	CGGCAGGTGG					
	GGATCTTTCC					
	AAGTCAAGAA					
	ACCAACTTCA					
	CTCTTAAAGA					
	CTGCGCCCTT					
	CCAGCCCCAG					
	GCTCAGTGCC					
	GATACTCCTA					
	TTGGCCCGCC					
	AGACGCCCAG					
	CCTGTGTCGT					
	ACAGCTCAAC					0.10101011
	ACTCGCCGGA					
	TTCGTCCTCG					
27001	TCCCTCGGTN	TACTTCAACC	CCTTCTCCGG	CTCCCCGGC	CACTACCCGG	ACGAGTTCAT
27061	CCCGAACTTC	GACGCCATCA	GCGAGTCGGT	GGACGGCTAC	GATTGAATGT	CCCATGGTGG
27121	CGCAGCTGAC	CTAGCTCGGC	TTCGACACCT	GGACCACTGC	CGCCGCTTCC	GCTGCTTCGC
	TCGGGATCTC					
	CCACGGAGTG					
27301	CCAGCGACCG	ATCCTGGTCG	AGCGCGAACA	AGGACAGACC	CTTCTTACTT	TGTACTGCAT
	CTGCAACCAC					
	AAGCTGAGAT					
	TGTTCTTCAC					
27541	TCACCTGGCT	GTTCCAGGGC	TCCCCGATCG	CCGTTGTCAA	CCACTGCGAC	AACGACGGAG
	TCCTGCTGAG					
27661	TCCAACCCTT	CCTCCCCGGG	ACCTATCAGT	GCGTCTCAGG	ACCCTGCCAT	CACACCTTCC
	ACCTGATCCC					
27781	GCCACCGTCG	CGACCTTTCC	TCTGAATCTA	ATACCACTAC	CGGAGGTGAG	CTCCGAGGTC
					_	

FIG. 7H

27841	GACCAACCTC	TGGGATTTAC	TACGGCCCCT	GGGAGGTGGT	GGGGTTAATA	GCGCTAGGCC
27901	TAGTTGCGGG	TGGGCTTTTG	GTTCTCTGCT	ACCTATACCT	CCCTTGCTGT	TCGTACTTAG
	TGGTGC TGTG					
28021						
28081						
	TCGGTGCGCG					
	TAACAAGACT					
	CACCGTCTCT					
	TGCGCACATG					
	GAAGGAGAAC					
	TATCGTGTGC					
	AGAGAA.ACAG					
	AAATTTTTTA					
	AACCCTTTAT					
	ATGGTATTTT					
	TACACATAAA					
	TACAAAACAA					
	TTATACTGTT					
	AAAGCCCACT					
	AACACTTGCT					
	GATCGC CCTG					
	CATGATTGGC					
29161	GTACTATGCC	TTCTGCTACA	GAAAGCACAG	ACTGAACGAC	AAGCTGGAAC	ACTTACTAAG
	TGTTGAATTT					
	TACCTCTGCT					
	TACACTGAAA					
	TGATCAAACT					
	TTATCAATGC					
29521	TTATTATTGC	CCTGGACAAA	ACACTGAAGA	AATGATTTTT	TACAAAGTGG	AAGTGGTTGA
29581	$\mathtt{TCCCACTACA}$	CCACCCACCA	CCACAACTAT	TCATACCACA	CACACAGAAC	AAACACCAGA
29641	GGCAAC.AGAA	GCAGAGTTGG	CCTTCCAGGT	TCACGGAGAT	TCCTTTGCTG	TCAATACCCC
29701	TACACCCGAT	CAGCGGTGTC	CGGGGCCGCT	AGTCAGCGGC	ATTGTCGGTG	TGCTTTCGGG
29761	ATTAGCAGTC	ATAATCATCT	GCATGTTCAT	TTTTGCTTGC	TGCTATAGAA	GGCTTTACCG
	ACAAAAATCA					
	GTTAGCGCTC					
	GTTAGC TTTA					
	GAAGGTGCTC					
	TGGAATGTAA					
	CAGAATGGGT					
	CATAGTTTTA					
	ACCACACAGA					
	GTTGCCAGCT					
	ACTGCTAGTA					
	GCTACCTCCA					
	AGCCCCGCTA					
305/11	GGCATGCAAT	CCCACATCAC	CCCCGCTCCT	CTICCCACIC	TCCTGAAGCA	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
30541	CTCTACTACA	TOTO COCCO	CCCCAMMCCC	GIGAICGGGI	TGGTCATCCT	GGCCGTGTTG
	ATCGTTATCG					
	TCTTTTACAG					
	CTGCCTCCTC					
	TGGGCCCTTC					
	AGTCTGCCTG					
	CCTGCGCCAC					
	ATAAGCATGC					
	GACCCCCGGT					
	TGGAAATTCC					
	ATTGGGATCG					
31261	GACTTTGGTT	GGAACTCGCC	AGAGGCGCTC	TATCTCCCGC	CTGAACCTGA	CACACCACCA

	CAGCATCA_AC					
	ATATTAGACT					
31441	CTAACCGGCG	GAGATGACTG	ACCCACTGGC	CAATAACAAC	GTCAACGACC	TTCTCCTGGA
31501	CATGGACGGC	CGCGCCTCGG	AGCAGCGACT	CGCCCAACTT	CGCATTCGTC	AGCAGCAGGA
31561	GAGAGCCGTC	AAGGAGCTGC	AGGACGGCAT	AGCCATCCAC	CAGTGCAAGA	GAGGCATCTT
31621	CTGCCTGGTG	AAACAGGCCA	AGATCTCCTA	CGAGGTCACC	CAGACCGACC	ATCGCCTCTC
31681	CTACGAGC TC	CTGCAGCAGC	GCCAGAAGTT	CACCTGCCTG	GTCGGAGTCA	ACCCCATCGT
31741	CATCACCCAG	CCAGCAGTCG	GGCGATACCA	AGGGGTGCAT	CCACTGCTCC	TGCGACTCCC
31801	CCGACTGCGT	CCACACTCTG	ATCAAGACCC	TCTGCGGCCT	CCGCGACCTC	CTCCCCATGA
31861	ACTAATCA CC	CCCTTATCCA	GTGAAATAAA	GATCATATTG	ATGATGATTT	AAATAAAAA
31921	AATAATCA'TT	TGATTTGAAA	TAAAGATACA	ATCATATTGA	TGATTTGAGT	TTAACAAAA
31981	TAAAGAATCA	CTTACTTGAA	ATCTGATACC	AGGTCTCTGT	CCATGTTTTC	TGCCAACACC
32041	ACCTCACTCC	CCTCTTCCCA	GCTCTGGTAC	TGCAGGCCCC	GGCGGGCTGC	AAACTTCCTC
32101	CACACGCTGA	AGGGGATGTC	AAATTCCTCC	TGTCCCTCAA	TCTTCATTTT	ATCTTCTATC
32161	AGATGTCC.AA	AAAGCGCGTC	CGGGTGGATG	ATGACTTCGA	CCCCGTCTAC	CCCTACGATG
32221	CAGACAACGC	ACCGACCGTG	CCCTTCATCA	ACCCCCCTT	CGTCTCTTCA	GATGGATTCC
32281	AAGAGAAGCC	CCTGGGGGTG	TTGTCCCTGC	GACTGGCTGA	CCCCGTCACC	ACCAAGAACG
32341	GGGAAATC <i>A</i> AC	CCTCAAGCTG	GGAGAGGGGG	TGGACCTCGA	CTCGTCGGGA	AAACTCATCT
32401	CCAACACGGC	CACCAAGGCC	GCCGCCCTC	TCAGTATTTC	AAACAACACC	ATTTCCCTTA
32461	AAACTGCTGC	CCCTTTCTAC	AACAACAATG	GAACTTTAAG	CCTCAATGTC	TCCACACCAT
	$TAGCAGTA\mathbf{T}T$					
32581	$CAAATAAG\mathbf{T}T$	GTTGACTGTA	CAACTAACTC	ATCCTCTTAC	ATTCAGCTCA	AATAGCATCA
	CAGTAAAAAAC					
32701	ATATAAGCCT	AAAAAGAGGA	CTAGTTTTTG	ACGGTAATGC	TATTGCAACA	TATATTGGAA
	ATGGCTTAGA					
32821	TTGGAGCAGG	ATTAAATTTT	GATGCTAACA	AAGCAATAGC	TGTCAAACTA	GGCACAGGTT
32881	TAAGTTTTGA	CTCCGCTGGT.	_GCCTTGACAG	CTGGAAACAA	ACAGGATGAC	AAGCTAACAC
32941	TTTGGACTZAC	CCCTGACCCA	AGCCCTAATT	GTCAATTACT	TTCAGACAGA	GATGCCAAAT
	$\mathtt{TTACTCTCTG}$					
	TTACTGTAGG					
33121	TTAGATTTGA	TTCCGATGGT-	GTACTCATGT	CAAACTCATC	AATGGTAGGT	GATTACTGGA
33181	ACTTTAGGGA	GGGACAGACC	ACTCAAAGTG	TAGCCTATAC	AAATGCTGTG	GGATTCATGC
	CAAATATAGG					
33301	AGGTATATTT	AACTGGAGAA	ACTACTATGC	CAATGACACT	AACCATAACT	TTCAATGGCA
33361	CTGATGAAAA	AGACACAACC	CCAGTTAGCA	CCTACTCTAT	GACTTTTACA	TGGCAGTGGA
33421	CTGGAGACTA	TAAGGACAAA	AATATTACCT	TTGCTACCAA	СТСАТТСТСТ	TTTTTCCTACA
	TCGCCCAGGA					
	$\tt GGAAACTCTG$					
	ACTCGAGCAG					
33661	CGCACAGCCT	TGAACATCTG	AATGCCATTG	GTGATGGACA	тесттттест	CTCCACGTTC
33721	${\tt CACACAGTTT}$	CAGAGCGAGC	CAGTCTCGGA	TCGGTCAGGG	AGATGAAACC	CTCCGGGCAC
	TCCCGCATCT					
	GTTATCTGGA					
33901	GGTGGTGTCG	CATCAGGCCC	CGCAGCAGTC	GCTGCCGCCG	CCGCTCCGTC	AAGCTGCTGC
33961	$\mathtt{TCAGGGGGTT}$	CGGGTCCAGG	GACTCCCTCA	GCATGATGCC	CACGGCCCTC	ACCATCACTC
34021	GTCTGGTGCG	GCGGGCGCAG	CAGCGCATGC	GAATCTCGCT	CAGGTCACTG	CACTACCTCC
34081	AACACAGGAC	CACCAGGTTG	TTCAACAGTC	CATAGTTCAA	CACGCTCCAG	CCCDDACTCD
34141	TCGCGGGAAG	GATGCTACCC	ACGTGGCCGT	CGTACCAGAT	CCTCACCTAA	ATCANGTCA
34201	GCTCCCTCCA	GAAGACGCTG	CCCATGTACA	TGATCTCCTT	CCCCATCTCC	CCCTTCACCA
34261	CCTCCCGGTA	CCACATCACC	CTCTCCTTCA	ACATGCAGCC	CCCCATCATC	CTCCCCAACCA
34321	ACAGGGCCAG	CACCGCCCCG	CCCGCCATGC	ACCGAAGAGA	CCCCCATCC	CIGCGGAACC
34381	AATGGAGGAC	CCACCGCTCG	TACCCGTGGA	ТСАТСТСССА	CCTCDGGAICC	TGGCTAT GAC
34441	CACAGCACAG	GCATATGCTC	ATCCATCTC	TC111C1GGGA	CACCACCAGG	TOTATATIGG
34501	CCATATCCCA	GGGCACGGGG	AACTCTTCCA	GGACACCCA	CCCCCCTCG	CAGGICAMAA
34561	CTCGCACATA	ACTTACATTC	TCCTCTTGCA	CCCTATCCCA	ATCACCCACAAA	ACCCCCMCAM.
34621	CCTCCACCAG	AGAAGCGCGG	GTCTCCCTCT	CCTCACACCCA	からなる かっこう かっこう かっこう かっこう かっこう かっこう かっこう かっこう	CCCCCCCCAM
34681	ACGGGTGATG	GCGGGACGCG	GCTGATCGTG	ተጥርጥርር ልርርር	TOGITAGGGG	CVGGGCCGWT.
34741	CGGACATTTT	CGTACTTCCCG	GTAGCAGAAC	CACCACCC	CCCACCACAC	CUSTIGGILL
J _ 1 - I _ L		20112011801	CINGCAGNAC	これははしてははは	CGCIGCACAC	CGATCGCCGG

FIG. 7J

34801	CGGCGGTCTC	GGCGCTTGGA	ACGCTCGGTG	TTAAAGTTGT	AAAACAGCCA	CTCTCTCAGA
34861	CCGTGCAGCA	GATCTAGGGC	CTCAGGAGTG	ATGAAGATCC	CATCATGCCT	GATAGCTCTG
34921	ATCACATCGA	CCACCGTGGA	ATGGGCCAGG	CCCAGCCAGA	TGATGCAATT	TTGTTGGGTT
34981	TCGGTGACGG	CGGGGGAGGG	AAGAACAGGA	AGAACCATGA	TTAACTTTTA	ATCCAAACGG
35041	TCTCGGAGCA	CTTCAAAATG	AAGGTCACGG	AGATGGCACC	TCTCGCCCCC	GCTGTGTTGG
35101	TGGAAAATAA	CAGCCAGGTC	AAAGGTGATA	CGGTTCTCGA	GATGTTCCAC	GGTGGCTTCC
35161	AGCAAAGCCT	CCACGCGCAC	ATCAGAAACA	AGACAATAGC	GAAAGCGGGA	GGGTTCTCTA
35221	ATTCCTCAAC	CATCATGTTA	CACTCCTGCA	CCATCCCCAG	ATAATTTTCA	TTTTTCCAGC
35281	CTTGAATGAT	TCGAACTAGT	TCCTGAGGTA	AATCCAAGCC	AGCCATGATA	AAAAGCTCGC
35341	GCAGAGCACC	CTCCACCGGC	ATTCTTAAGC	ACACCCTCAT	AATTCCAAGA	TATTCTGCTC
35401	CTGGTTCACC	TGCAGCAGAT	TGACAAGCGG	AATATCAAAA	TCTCTGCCGC	GATCCCTGAG
35461	CTCCTCCCTC	AGCAATAACT	GTAAGTACTC	TTTCATATCG	TCTCCGAAAT	TTTTAGCCAT
35521	AGGACCCCCA	GGAATAAGAG	AAGGGCAAGC	CACATTACAG	ATAAACCGAA	GTCCCCCCA
35581	GTGAGCATTG	CCAAATGTAA	GATTGAAATA	AGCATGCTGG	CTAGACCCGG	TGATATCTTC
35641	CAGATAACTG	GACAGAAAAT	CGGGTAAGCA	ATTTTTAAGA	AAATCAACAA	AAGAAAAATC
35701	TTCCAGGTGC	ACGTTTAGGG	CCTCGGGAAC	AACGATGGAG	TAAGTGCAAG	GGGTGCGTTC
35761	CAGCATGGTT	AGTTAGCTGA	TCTGTAAAAA	AACAAAAAT	AAAACATTAA	ACCATGCTAG
35821	CCTGGC GAAC	AGGTGGGTAA	ATCGTTCTCT	CCAGCACCAG	GCAGGCCACG	GGGTCTCCGG
35881	CGCGACCCTC	GTAAAAATTG	TCGCTATGAT	TGAAAACCAT	CACAGAGAGA	CGTTCCCGGT
35941	GGCCGGCGTG	AATGATTCGA	GAAGAAGCAT	ACACCCCCG	GAACATTGGA	GTCCGTGAGT
36001	GAAAAA.AAGC	GGCCGAGGAA	GCAATGAGGC	ACTACAACGC	TCACTCTCAA	GTCCAGCAAA
36061	GCGATGCCAT	GCGGATGAAG	CACAAAATTT	TCAGGTGCGT	AAAAAATGTA	ATTACTCCCC
36121	TCCTGCACAG	GCAGCGAAGC	TCCCGATCCC	TCCAGATACA	CATACAAAGC	CTCAGCGTCC
36181	ATAGCTTACC	GAGCGGCAGC	AGCAGCGGCA	CACAACAGGC	GCAAGAGTCA	GAGAAAAGAC
36241	TGAGCTCTAA	CCTGTCCGCC	CGCTCTCTGC	TCAATATATA	GCCCCAGATC	TACACTGACG
36301	TAAAGGCCAA	AGTCTAAAAA	TACCCGCCAA	ATAATCACAC	ACGCCCAGCA	CACGCCCAGA
36361	AACCGGTGAC	ACACTCAGAA.	AAATACGCGC_	ACTTCCTCAA_	ACGGCCAAAC	TGCCGTCATT
36421	TCCGGGTTCC	CACGCTACGT	CATCAAAACA	${\tt CGACTTTCAA}$	ATTCCGTCGA	CCGTTAAAAA
36481	CATCAC CCGC	CCCGCCCTA	ACGGTCGCCG	CTCCCGCAGC	CAATCACCTT	CCTCCCTCCC
36541	CAAATTCAAA	CAGCTCATTT	GCATATTAAC	GCGCACCAAA	AGTTTGAGGT	ATATTATTGA
36601	TGATGG (SE	EQ ID NO: 3)				

1	CATCATCAAT	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	AAACTTTTGG	ጣሮሮሮሮሮመጠክ ክ	m x m < < < > x x x m < <	» COMOMOMO»
	ATTTGGGGAG					
121			GATTGGCCGA			
			CGTGAGGCGG			
	GACGTCAAAC		TTGAACACGG			
	GGAAATGAGG		CGGATGCAAG			
301	AATGAGGAAG		AGTAATTTCG			
	GGCCGAGTAG		ATTACGTGGG		ACCGTATTTT	TCACCTAAAT
	TTCCGCGTAC	GGTGTCAAAG	TCCGGTGTTT	TTACGTAGGC	GTCAGCTGAT	CGCCAGGGTA
481	TTTAAACCTG		TCAAGAGGCC		GCCAGCGAGT	
541	CCTCCGCGCC	GCGAGTCAGA	TCTACACTTT	GAAAGATGAG	GCACCTGAGA	GACCTGCCCG
601	GTAATGTTTT	CCTGGCTACT	GGGAACGAGA	TTCTGGAATT	GGTGGTGGAC	GCCATGATGG
661	GTGGCGACCC	TCCTGAGCCC	CCTACCCCAT	TTGAGGCGCC	TTCGCTGTAC	GATTTGTATG
721	ATCTGGAGGT	GGATGTGCCC	GAGAACGACC	CCAACGAGGA	GGCGGTGAAT	GATTTGTTTA
781	GCGATGCCGC		GCCGAGCAGG			
841	CCTCTCTCCA		CCCGGCAGAG			
901	AAGAGCTCGA	CCTGCGCTGC		GCTTGCCTCC		GAGGAGGACG
961	AGGAGGCGAT	TCGAGCTGCA	TCGAACCAGG	GAGTGAAAGC	TGCGGGCGAA	
1021	TGGACTGTCC		GGACACGGCT		TGAATTTCAT	
1081	CTGGAGATAA		TGTGCCCTGT			
	ACAGTAAGTG		TAGTTGGGAA			
	ATTTATGTAT		ATGTGTAGGT			
	TCAGAGTGCA		CCCAGAAATT			
	AGACCAGTTG		CACCGGGCGG			
	CTACAGGGTG		TTTGGACTTG			
	CCACACATGT		AAGGTGATGT			
	ATCCGTGTTG					
			CGTGGTTTAT			
	GCAGGTGCAG		TCAGTTCAGA			
	GAAGACTTTC		ACAGCTGCTA			
1681	TGGAGATTCT		GCCTCTAGCT			
	AAGGATCAAT		TTTGAGAGAG		-	- 4
	GGCCATCAGT		CCAGAGTATT		TTGACTTTTC	
	AGAACTACCG		CTTTTTTGCC			
	CATTTCAGCA	GGGATTACCG	TCTGGACTGC	TTAGCAGTAG	CTTTGTGGAG	AACATGGAGG
1981	TGCCAGCGCC		CTCCGGCTAC			
2041	ATCCTGAGTC	TCCAGTCACC	CCAGGAACAC	CAACGCCGCC	AGCAGCCGCA	GCAGGAGCAG
2101	CAGCAAGAGG		TCGAGAAGAG			
2161	GCGGAGGAGG	AGGAGTAGCT	GACTTGTTTC	CCGAGCTGCG	CCGGGTGCTG	ACTAGGTCTT
2221	CCAGTGGACG		ATTAAGCGGG			
2281	AACTGACTGT	CAGTCTGATG	AGCCGCAGGC	GCCCAGAATC	GGTGTGGTGG	CATGAGGTTC
2341	AGTCGCAGGG	GATAGATGAG	GTCTCGGTGA	TGCATGAGAA	ATATTCCCTG	GAACAAGTCA
2401	AGACTTGTTG	GTTGGAGCCT	GAGGATGATT	GGGAGGTAGC	CATCAGGAAT	TATGCCAAGC
2461	TGGCTCTGAA	GCCAGACAAG	AAGTACAAGA	TTACCAAACT	GATTAATATC	AGAAATTCCT
2521	GCTACATTTC	AGGGAATGGG	GCCGAGGTGG	AGATCAGTAC	CCAGGAGAGG	GTGGCCTTCA
2581	GATGTTGTAT	GATGAATATG	TACCCGGGGG	TGGTGGGCAT	GGAGGGAGTC	ACCTTTATGA
2641	ACGCGAGGTT	CAGGGGTGAT	GGGTATAATG	GGGTGGTCTT	TATGGCCAAC	ACCAAGCTGA
2701	CAGTGCACGG		TTTGGGTTCA			
2761	TTTCAGTGAG		TTTTCAGCCA			
2821	GCAAGGTGTC		TGCCTGTTCG			
	GCGAAGCCAA	AGTCAAACAC				
	GCAATGCCCA	AGTCAAGCAT				
	TGCTGACCTG		AACAGCCATA			
	CCCGCAAGAC		TTCGAGCACA			
	GGTCCCGCCG	AGGCATGTTC				
	TGGAGCCCGA		AGAGTGAGCC			
	TGTGGAAAAT		GATGAATCCA			
	GCAAGCACGC					
			CCCGTGTGTG			
	ATTTGGTGTT	GTCCTGCAAC				
344T	GTGAGTAGTG	T.T.G.G.G.G.A.G.	GTGGAGGGCT	TGTATGAGGG	GCAGAATGAC	TAAAATCTGT

FIG. 8A

			00/101			
	GTTTTTCTGT					
	GCCCTTATCT					
	CCACGGTGGA					
3661	TGAGCTCCTC	GTCCGTGGAC	GCAGCTGCCG	CCGCAGCTGC	TGCTTCCGCC	GCCAGCGCCG
	TGCGCGGAAT					
	CCAATAATCC					
3841	CCCTGACCCA	GCGCCTGGGC	GAGCTGACCC	AGCAGGTGGC	TCAGCTGCAG	GCGGAGACGC
	GGGCCGCGG					
3961	GTTGTTGATT	TTAACACAGA	GTCTTGAATC	TTTATTTGAT	TTTTCGCGCG	CGGTAGGCCC
4021	TGGACCACCG	GTCTCGATCA	TTGAGCACCC	GGTGGATTTT	TTCCAGGACC	CGGTAGAGGT
4081	GGGCTTGGAT	GTTGAGGTAC	ATGGGCATGA	GCCCGTCCCG	GGGGTGGAGG	TAGCTCCATT
4141	GCAGGGCCTC	GTGCTCGGGG	GTGGTGTTGT	AAATCACCCA	GTCATAGCAG	GGGCGCAGGG
4201	CGTGGTGCTG	CACGATGTCC	TTGAGGAGGA	GACTGATGGC	CACGGGCAGC	CCCTTGGTGT
4261	AGGTGTTGAC	GAACCTGTTG	AGCTGGGAGG	GATGCATGCG	GGGGGAGATG	AGATGCATCT
4321	$\mathtt{TGGCCTGGAT}$	CTTGAGATTG	GCGATGTTCC	CGCCCAGATC	CCGCCGGGGG	TTCATGTTGT
4381	GCAGGACCAC	CAGCACGGTG	TATCCGGTGC	ACTTGGGGAA	TTTGTCATGC	AACTTGGAAG
4441	GGAAGGCGTG	AAAGAATTTG	GAGACGCCCT	TGTGACCGCC	CAGGTTTTCC	ATGCACTCAT
4501	CCATGATGAT	GGCGATGGGC	CCGTGGGCGG	CGGCCTGGGC	AAAGACGTTT	CGGGGGTCGG
4561	ACACATCGTA	GTTGTGGTCC	TGGGTGAGCT	CGTCATAGGC	CATTTTAATG	AATTTGGGGC
4621	GGAGGGTGCC	CGACTGGGGG	ACGAAGGTGC	CCTCGATCCC	GGGGGCGTAG	TTGCCCTCGC
4681	AGATCTGCAT	CTCCCAGGCC	TTGAGCTCGG	AGGGGGGAT	CATGTCCACC	TGCGGGGCGA
4741	TGAAAAAAAC	GGTTTCCGGG	GCGGGGGAGA	TGAGCTGGGC	CGAAAGCAGG	TTCCGGAGCA
4801	GCTGGGACTT	GCCGCAGCCG	GTGGGGCCGT	AGATGACCCC	GATGACCGGC	TGCAGGTGGT
	AGTTGAGGGA					
4921	CGCGCACATG	CATGTTCTCG	CGCACGAGTT	CCGCCAGGAG	GCGCTCGCCC	CCCAGCGAGA
	GGAGCTCTTG					
_5041.	TGGAGAGGGT	CTGTTGCAAG	AGTTCCAGAC	GGTCCCAGAG	CTCGGTGATG	TGCTCTAGGG
	CATCTCGATC					
	CAGGCGATGG					
5221	CAGCGTGGTC	TCCGTCACGG	TGAAGGGGTG	CGCGCCGGGC	TGGGCGCTTG	CGAGGGTGCG
	CTTCAGGCTC					
	GTAGCAATTG					
5401	CTTACCTTTG	GAAGTGTGTC	CGCAGACGGG	ACAGAGGAGG	GACTTGAGGG	CGTAGAGCTT
	GGGGGCGAGG					
5521	CTCGCACTCC	ACGAGCCAGG	TGAGGTCGGG	CCGGTTGGGG	TCAAAAACGA	GGTTTCCTCC
5581	GTGCTTTTTG	ATGCGTTTCT	TACCTCTGGT	CTCCATGAGC	TCGTGTCCCC	GCTGGGTGAC
5641	AAAGAGGCTG	TCCGTGTCCC	CGTAGACCGA	CTTTATGGGC	CGGTCCTCGA	GCGGGGTGCC
5701	GCGGTCCTCG	TCGTAGAGGA	ACCCCGCCCA	CTCCGAGACG	AAGGCCCGGG	TCCAGGCCAG
5761	CACGAAGGAG	GCCACGTGGG	AGGGGTAGCG	GTCGTTGTCC	ACCAGCGGGT	CCACCTTCTC
5821	CAGGGTATGC	AAGCACATGT	CCCCCTCGTC	CACATCCAGG	AAGGTGATTG	GCTTGTAAGT
5881	GTAGGCCACG	TGACCGGGGG	TCCCGGCCGG	GGGGGTATAA	AAGGGGGCGG	GCCCCTGCTC
5941	GTCCTCACTG	TCTTCCGGAT	CGCTGTCCAG	GAGCGCCAGC	TGTTGGGGTA	GGTATTCCCT
	CTCGAAGGCT					
	GATATTGACG					
	GACGATCTTT					
	CTTGGCGATG					
	GTTGAGCTGC					
	GTCGGGCACG					
	GGCCACCTCG					
	GAAGGGGGC					
	GCCGGGCAGA					
	TTGCCAGTCG					
	GGGGTGCGTG					
	GAGGACGCCG					
	GTACAGCTCG					
	GGCGCGGTAG					
	GAAGATGTTG					
	GTCCTGCAGC					

FIG. 8B

		ATGATGTCGT				
	AAGGAACTCT		TCCAGTACTC			
	GTAAGAGCCC		ACTGGTTGAC	GGCCTTGTAG	GCGCAGCAGC	CCTTCTCCAC
7141	GGGGAGGGCG	TAAGCTTGTG	CGGCCTTGCG	CAGGGAGGTG	TGGGTGAGGG	CGAAGGTGTC
7201	GCGCACCATG	ACCTTGAGGA	ACTGGTGCTT	GAAGTCGAGG	TCGTCGCAGC	CGCCCTGCTC
7261	CCAGAGCTGG		GCTTCTTGTA			
7321	GTTGAAGAGG		CGCGGGGCAT			
7381	CACCTCGGCC		TGACCTGGGC			
7441	GTTGTGCCCG		GTTCCACGAA			
7501	CTTGAGCTCG		GCTCGGCGGG			
7561	GTCGGCGACG		CGCTGAGGAA			
	CTGCAAGCGG	TCCCGGTACT	GACGGAACTG	CTGGCCCACG	GCCATTTTT	CGGGGGTGAC
	GCAGTAGAAG		CGCCGTGCCA			
7741	GTGGGCGAGC		GCGGGTCCCC			
7801	GAGCTGCTTG		CCATCCAGGT			
7861	CCTTTCGGTG		AGCCGATGGG			
7921	GGAATGGCTG		GGAAGTAGAA			
7981	GTGTTTATAC		AGTGCTCGCA			
8041	CTGTACCTGG		CGAGGAATTT			
	CTGGTGCTGT		GGCCATCGGC			
8161	GCTGACGAGC		GGCAGGTCCA			
	GACGAGGGCG		AGCTGTCCAG			
	GGGCAGCGGC		TGACTTGCAG			
8341	ATGGTACTTG					
	CCCCTGGGGC		TGCCCCGTTT			
	AAGCGGCGGC		GCCGGGCGGC			
		CGTCGGCGCC				
		CGACGCGACG				
	GGACCCGTGA					
		GCAGGATCTC				
8761	ATGAACTGCT	CGATCTCCTC	CTCCTGAAGG	TCTCCCCCC	· CGGCGCGCGCTC	GACCCTCGGIC
8821	GCGAGGTCGT	TGGAGATGCG	GCCCATGAGC	TGCGAGAAGG	CGGCGCGCIC	CCCCTCCTTC
8881	CAGACGCGGC	TGTAGACCAC	CCCTCCCTCC	CCCTCCCCC	CCCCCATCAC	CACCTCGIIC
		CGACGTGGCG				
	TTGAGCGTGG		CTCGGTGACG			
		CGTCGCCCAG	CCCTTCCAAC	CCCTCCATCC	CCTCCTACAA	CTCCACCCC
		ACTGGGAGTT				
		TGGTGGCGCG				
9241		CCTCCACTAA				
	GGGGCCCTGC		GCGCACGGGC			
	CCGCGCCGGC	GACGCATGGT	CTCGGTGACG	CCCCCCCCC	CCTCCCCCCC	CCCCACCCCC
	AAGACGCCGC	CGCGCATCTC	CAGGTGGCCG	CCGCGCCCGT	CTCCCTTTCCC	CACCCAGCGIG
		TGCATCTTAT	CAATTGGCCC	CCGGGGGGGG	CCCCCAACCA	CAGGGAGAGG
9541	TCGAGATCCA	CGGGATCCGA	AAACCCCTCA	ACCA ACCCTT	CGCGCAAGGA	CCIGAGCGIC
		GCCCGGTTTC				
9661	CTCCTCATCA	AGTTGAAGTA	CCCCCTCCTC	ACACCCCCCA	TCCTCCCCAC	CACCACCACC
		CGGCTTGCTG				
9781	CACCTGGCGA	GGTCCTTGTA	CTT CTCCTCC	ATCACCCCCT	CCACCCCAGGC	CTGGTCCTGA
		CGTGCATGCG				
9901	TCGCCGACGA	CGCGCTCGGC	CALCATICCCC	TACCCACACT	CCCTC A CCCT	CCTCTCTCCA
9961	TCGTCGAAGT	CGACGAAGCG	CTCCTACCCT	CCCCTGTATCT	TCCTT TT CCT	CCACMMCCCC
		AGTTGACGGT				
10021	GAGTAGGCC	GCGTGTCGAA	CIGGIGGCCG	THE CACACGA	GCYCGYGGTA	CITCAGGCGC
10141	ACGAGGAAGT	GCGGCGGCGG	CAGGGGGAVG	TIGCTGGIGC	CCTCCCTCCC	CIGGIATUUG
10201	GGCGCGAGGT	CCTCGAGCAT	CACCCCCTAC	TACGGCCWIC	ACTCGGTGGC	CAMCCACCCC
		CGGTGGTGGA				
10321	AGCGGCAGGA	AGTAGTTCAT	GCTGCGCGGG	CALCACGCACA	TGAGGGTTCCA	GUYCECCEC
10381	ATGCTCTACA	CATACGGGCA	AAAACCAAAC	CECTEGGCCCG	CACGACACAC	ACCCCACCA C
	COICINGA	AJDDDJriii	THE DESCRIPTION	DDJDAJ LDDJ	CICGACICCG	TGGCCTGGHG

FIG. 8C

10441	COMP P CCCP P	2222				
T0441	. GCIAAGCGAA	CGGGTTGGGC	TGCGCGTGTA	CCCCGGTTCG	AATCTCGAAT	CAGGCTGGAG
T020T	. CCGCAGCTAA	CGTGGTACTG	GCACTCCCGI	' CTCGACCCAA	. GCCTGCTAAC	GAAACCTCCA
10561	. GGATACGGAG	GCGGGTCGTT	TTTTGGCCTT	GGTCGCTGGT	CATGAAAAAC	TAGTAAGCGC
10621	. GGAAAGCGAC	CGCCCGCGAT	GGCTCGCTGC	CGTAGTCTGG	AGAAAGAATC	GCCAGGGTTG
10681	CGTTGCGGTG	TGCCCCGGTT	CGAGCCTCAG	CGCTCGGCGC	CGGCCGGATT	CCGCGGCTAA
10741	CGTGGGCGTG	GCTGCCCCGT	CGTTTCCAAG	ACCCCTTAGC	CAGCCGACTT	CTCCACTTAC
10801	GGAGCGAGCC	CCTCTTTTTC	THE THE THE	GCCAGATICA	TO COCOTA CTO	CCCCAGITAC
10861	GCCCCCACCC	TCCACCTCAA	CCCCCCCC	CCCCCCCACCA	DIDAIDOONI.	CGGCAGAIGC
10001	TCCCCCCCCCCC	CCACCICAA	CCGCCCAA	CGCCGCAGCA	GCAGCAACAG	CCGGCGCTTC
10001	TGCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CCAGCAGCAG	CCAGCCACTA	. CCGCGGGGG	CGCCGTGAGC	GGAGCCGGCG
10301	TTCAGTATGA	CCTGGCCTTG	GAAGAGGGCG	AGGGGCTGGC	GCGGCTGGGG	GCGTCGTCGC
11041	CGGAGCGGCA	CCCGC GCGTG	CAGATGAAAA	. GGGACGCTCG	CGAGGCCTAC	GTGCCCAAGC
11101	AGAACCTGTT	CAGAGACAGG	AGCGGCGAGG	AGCCCGAGGA	GATGCGCGCC	TCCCGCTTCC
11161	ACGCGGGGCG	GGAGC TGCGG	CGCGGCCTGG	ACCGAAAGCG	GGTGCTGAGG	GACGAGGATT
11221	TCGAGGCGGA	CGAGC TGACG	GGGATCAGCC	CCGCGCGCGC	GCACGTGGCC	GCGGCCAACC
11281	TGGTCACGGC	GTACGAGCAG	ACCGTGAAGG	AGGAGAGCAA	CTTCCAAAAA	ТССТТСААСА
11341	ACCACGTGCG	CACGC TGATC	GCGCGCGAGG	AGGTGACCCT	GGGCCTGATG	CACCTCTCCC
11401	ACCTGCTGGA	GGCCA TCGTG	CAGAACCCCA	CCACCAACCC	CCTCACCCCC	CYCCIGIGG
11461	ТССТССТССА	GCACAGTCGG	CACAACCACA	CCTTTCTCTCC	CCCCCCCCCCCC	CAGCIGIIIC
11521	AGCCCGAGGC	CCGCTGGCTC	CTCCACCTCC	CGIICAGGGA	GGCGCTGCTG	AATATCACCG
11501	AGCCCGAGGG	CCGCI GGCIC	CIGGACCIGG	TGAACATTCT	GCAGAGCATC	GTGGTGCAGG
11CV1	AGCGCGGCT	GCCGC TGTCC	GAGAAGCTGG	CGGCTATCAA	CTTCTCGGTG	CTGAGCCTGG
77047	GCAAGTACTA	CGCTA_GGAAG	ATCTACAAGA	CCCCGTACGT	GCCCATAGAC	AAGGAGGTGA
11701	AGATCGACGG	GTTTT ACATG	CGCATGACCC	TGAAAGTGCT	GACCCTGAGC	GACGATCTGG
11761	GGGTGTACCG	CAACG_ACAGG	ATGCACCGCG	CGGTGAGCGC	CAGCCGCCGG	CGCGAGCTGA
11821	GCGACCAGGA	GCTGA TGCAC	AGCCTGCAGC	GGGCCCTGAC	CGGGGCCGGG	ACCGAGGGGG
11881	AGAGCTACTT	TGACA TGGGC	GCGGACCTGC	GCTGGCAGCC	CAGCCGCCGG	GCCTTGGAAG
11941	CTGCCGGCGG	TTCCC CCTAC	GTGGAGGAGG	TGGACGATGA	GGAGGAGGAG	GGCGAGTACC
12001	TGGAAGACTG	ATGGC GCGAC	CGTATTTTTG	СТАСАТССАС	CAACAGCCAC	CCCCTCCTCA
12061	TCCCGCGATG	CGGGC GGCGC	TCCACACCCA	CCCCTCCCC	A DULY A CUICCUE	CCCACCAMMC
12121	GACCCAGGCC	ATGCA_ACGCA	TOOMOCCC	CACCACCCC	ATIMACICCI	CGGACGATTG
12121	CCACCCTICAC	GCCAA.CCGGC	TCAIGGGGGI	GACGACCCGC	AATCCCGAAG	CCTTTAGACA
12241	CCCCACCCAC	CACAA CCGGC	TCTCGGCCAT	CCTGGAGGCC	GTGGTGCCCT	CGCGCTCGAA
10201	CCCCACGCAC	GAGAA GGTGC	TGGCCATCGT	GAACGCGCTG	GTGGAGAACA	AGGCCATCCG
T720T	CGGCGACGAG	GCCGG GCTGG	TGTACAACGC	GCTGCTGGAG	CGCGTGGCCC	GCTACAACAG
12361	CACCAACGTG	CAGAC GAACC	TGGACCGCAT	GGTGACCGAC	GTGCGCGAGG	CGGTGTCGCA
12421	GCGCGAGCGG	TTCCACCGCG	AGTCGAACCT	GGGCTCCATG	GTGGCGCTGA	ACGCCTTCCT
12481	GAGCACGCAG	CCCGC CAACG	TGCCCCGGGG	CCAGGAGGAC	TACACCAACT	TCATCAGCGC
12541	GCTGCGGCTG	ATGGT GGCCG	AGGTGCCCCA	GAGCGAGGTG	TACCAGTCGG	GGCCGGACTA
12601	CTTCTTCCAG	ACCAG*TCGCC	AGGGCTTGCA	GACCGTGAAC	CTGAGCCAGG	CTTTCAAGAA
12661	CTTGCAGGGA	$\mathtt{CTGTG} \textbf{G} \mathtt{GGCG}$	TGCAGGCCCC	GGTCGGGGAC	CGCGCGACGG	ТСТССАСССТ
12721	GCTGACGCCG	AACTC GCGCC	TGCTGCTGCT	GCTGGTGGCG	CCCTTCACCC	ACACCCCCAC
12781	CGTGAGCCGC	GACTC GTACC	TGGGCTACCT	CCTTAACCTC	TACCCCCACC	CCARCCCCCA
12841	GGCGCACGTG	GACGAGCAGA	CCTACCACCA	CATCACCCAC	CHCACCCCCC	CCAICGGCA
12901	GGAGGAGGG	GGCAACCTGG	ACCCCA CCCM	CAICACCCAC	OJOJJOADIO	CGCTGGGCCA
12961	CATCCCCCC	CACTA CCCCC	MC2 CC2 CCC2	GAACTTCCTG	CTGACCAACC	GGTCGCAGAA
12001	GAICCCGCCC	CAGTACGCGC	TGAGCACCGA	GGAGGAGCGC	ATCCTGCGCT	ACGTGCAGCA
T205T	GAGCGTGGGG	CTGTTCCTGA	TGCAGGAGGG	GGCCACGCCC	AGCGCCGCGC	TCGACATGAC
T308T	CGCGCGCAAC	ATGGAGCCCA	GCATGTACGC	TCGCAACCGC	CCGTTCATCA	ATAAGCTGAT
13141	GGACTACTTG	CATCGGGCGG	CCGCCATGAA	CTCGGACTAC	TTTACCAACG	CCATCTTGAA
13201	CCCGCACTGG	CTCCCGCCGC	CCGGGTTCTA	CACGGGCGAG	TACGACATGC	CCGACCCCAA
13261	CGACGGGTTC	CTGTGGGACG	ACGTGGACAG	CAGCGTGTTC	TCGCCGCGCC	CCGCCACCAC
13321	CGTGTGGAAG	AAAGAGGGCG	GGGACCGGCG	GCCGTCCTCG	GCGCTGTCCG	GTCGCGCGGG
13381	TGCTGCCGCG	GCGGTGCCTG	AGGCCGCCAG	CCCCTTCCCG	AGCCTGCCCT	ጥጥጥር ርርጥር አ አ
13441	CAGCGTGCGC	AGCAGCGAGC	TGGGTCGGCT	GACGCGGCCG	CCCCTCCTCC	CCCACCACCA
13501	GTACCTGAAC	GACTCCTTGT	TGAGGCCCGA	GCGCGAGAAC	22CCTGCTGG	AMA ACCCCAM
13561	AGAGAGCCTC	GTGGACAAGA	TCACCCCGA	CANCACCONAC	CCCCA CCA CC	ALMACGGGAT
13621	GCCCCGyccm	DCCD CCD CCC	TARGCCGCIG	TAMBACGIAC	CONCROCACO	ACAGGGACGA
13601	TCTCCGAGC1	AGCAGCAGCG	AMMOGGGGGG	TAGACGCCAG	CGACACGACA	GGCAGCGGGG
127/1 1200T	TCIGGIGIGG	GACGATGAGG	ATTOUGUEGA	CGACAGCAGC	GTGTTGGACT	TGGGTGGGAG
TO 14T	TGGT.GG.T.	AACCCGTTCG	CTCACTTGCG	CCCCCGTATC	GGGCGCCTGA	TGTAAGAATC
T280T	IGAAAAAATA	AAAAACGGTA	CTCACCAAGG	CCATGGCGAC	CAGCGTGCGT	TCTTCTCTGT
T389T	TGTTTGTAGT	AGTAT G ATGA	GGCGCGTGTA	CCCGGAGGGT	CCTCCTCCCT	CGTACGAGAG

			42/101			
13921	CGTGATGCAG	CAGGCGGTGG	· · · · · ·	GCAGCCCCC	CTGGAGGCCC	CTTACCTCC
		CTGGCGCCTA				
		ACCACCCGGT				
		AACGACCACA				
		GCCAGCACCC				
14221	GCTGAAAACC	ATCATGCACA	CCAACATGCC	CAACGTGAAC	GAGTTCATGT	ACAGCAACAA
		CGGGTGATGG				
		AGTCAGGACG				TGCCCGAGGG
14401	CAACTTCTCG	GTGACCATGA	CCATCGATCT	GATGAACAAC	GCCATCATCG	ACAACTACTT
14461	GGCGGTGGGG	CGTCAGAACG	GGGTGCTGGA	GAGCGACATC	GGCGTGAAGT	TCGACACGCG
14521	CAACTTCCGG	CTGGGCTGGG	ACCCCGTGAC	CGAGCTGGTG	ATGCCGGGCG	TGTACACCAA
		CACCCGACA			GGCGTGGACT	TCACCGAGAG
		AACCTGCTGG			TTCCAGGAGG	GCTTCCAGAT
		GACCTGGAGG				
		GAGGAGGCCG				
14821	GGTGCGGGGC	GATAATTTTG	CTAGCGCCGC	GGCAGTGGCC	GAGGCGGCTG	AAACCGAAAG
		ATCCAGCCGG				
		AACACCGCCT				
		CGCTCCTGGA				
		TCGCTGCCCG				
		TACCCGGTGG				
15181	CAACGAGCAG	GCCGTCTACT	CGCAGCAGCT	GCGCGCCTTC	ACCTCGCTCA	CGCACGTCTT
15241	CAACCGCTTC	CCCGAGAACC	AGATCCTCGT	CCGCCCGCCC	GCGCCCACCA	TTACCACCGT
		GTTCCTGCTC				
		CGCGTGACCG				
15421	GGCCCTGGGC	GTAGTCGCGC	CGCGCGTCCT	CTCGAGCCGC	ACCTTCTAAA	AAATGTCCAT
15481	AGGGGGGGGGG	CCCAGTAATA	AÇACCGGTTG.	GGGCCTGCGC	GCGCCCAGCA	AGATGTACGG
		CAACGCTCCA				
		CTCAAGGGCC				
15701	GGIGGIGGCC	GACGCGCGCA AGCGTGGTGG	ACTACACGCC.	CGCCGCCGCG	CCCGCCTCCA	CCGTGGACGC
		CGGCGGCACC				
		CGCACGGGAC				
15901	CAGCAGCAGC	GCCGGCAGGA	CCCCCACACC	CCCCCCCACC	CCCCCCCCCCC	CCCCCAMCCC
15961	CAGCATGTCC	CGCCCGCGGC	CCCGCADACCT	COCGGCCACG	CCCCACCCCC	CCACCCCCCCC
16021	GCGCGTGCCC	GTGCGCACCC	GCCCCCCTCG	CACTTCAACA	TCCTCACTTC	CCACCGGIGI
16081	TGTGTCCCAG	CGGCGAGGAG	GATGTCCAAG	CCCAAATACA	ACCAACACAT	CCTCCACCTC
16141	ATCGCGCCTG	AGATCTACGG	CCCCGCGGTG	AAGGAGGAAA	GAAAGCCCCG	CAAACTCAAC
16201	CGGGTCAAAA	AGGACAAAAA	GGAGGAGGAA	GATGTGGACG	GACTGGTGGA	CTTTCTCCCC
16261	GAGTTCGCCC	CCCGGCGGCG	CGTGCAGTGG	CGCGGGCGGA	AAGTGAAACC	GGTGCTGCGG
		CGGTGGTCTT				
16381	TACGACGAGG	TGTACGGGGA	CGAGGACATC	CTCGAGCAGG	CGGTCGAGCG	TCTGGGCGAG
16441	TTTGCTTACG	GCAAGCGCAG	CCGCCCCGCG	CCCTTGAAAG	AGGAGGCGGT	GTCCATCCCG
16501	CTGGACCACG	GCAACCCCAC	GCCGAGCCTG	AAGCCGGTGA	CCCTGCAGCA	GGTGCTGCCG
16561	AGCGCGGCGC	CGCGCCGGGG	CTTCAAGCGC	GAGGGCGGCG	AGGATCTGTA	CCCGACCATG
16621	CAGCTGATGG	TGCCCAAGCG	CCAGAAGCTG	GAGGACGTGC	TGGAGCACAT	GAAGGTGGAC
16681	CCCGAGGTGC	AGCCCGAGGT	CAAGGTGCGG	CCCATCAAGC	AGGTGGCCCC	GGGCCTGGGC
16741	GTGCAGACCG	TGGACATCAA	GATCCCCACG	GAGCCCATGG	AAACGCAGAC	CGAGCCCGTG
16801	AAGCCCAGCA	CCAGCACCAT	GGAGGTGCAG	ACGGATCCCT	GGATGCCGGC	GCCGGCTTCC
16861	ACCACTCGCC	GAAGACGCAA	GTACGGCGCG	GCCAGCCTGC	TGATGCCCAA	CTACGCGCTG
16921	CATCCTTCCA	TCATCCCCAC	GCCGGGCTAC	CGCGGCACGC	GCTTCTACCG	CGGCTACACC
16981	AGCAGCCGCC	GCAAGACCAC	CACCCGCCGC	CGCCGTCGTC	GCACCCGCCG	CAGCAGCACC
17041	GCGACTTCCG	CCGCCGCCCT	GGTGCGGAGA	GTGTACCGCA	GCGGGCGCGA	GCCTCTGACC
17101	CTGCCGCGCG	CGCGCTACCA	CCCGAGCATC	GCCATTTAAC	TCTGCCGTCG	CCTCCTACTT
17161	GCAGATATGG	CCCTCACATG	CCGCCTCCGC	GTCCCCATTA	CGGGCTACCG	AGGAAGAAAG
17221	CCGCGCCGTA	GAAGGCTGAC	GGGGAACGGG	CTGCGTCGCC	ATCACCACCG	GCGGCGGCGC
		AGC GGTTGGG				
1/341	GCGATCGGGG	CGATCCCCGG	CATAGCTTCC	GTGGCGGTGC	AGGCCTCTCA	GCGCCACTGA

17401	CACACACO	CCAAAA MEERC	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	3 5 6 6 6 6 6 6 6	~~~~~~~	
17401	GACACAGCTT	GGAAAATTTG	TAATAAAAA	ATGGACTGAC	GCTCCTGGTC	CTGTGATGTG
17461	TGTTTTTAGA	TGGAAGACAT	CAATTTTTCG	TCCCTGGCAC	CGCGACACGG	CACGCGGCCG
17521	TTTATGGGCA	CCTGGAGCGA	CATCGGCAAC	AGCCAACTGA	ACGGGGGCGC	CTTCAATTGG
17581	AGCAGTCTCT	GGAGCGGGCT	TAAGAATTTC	GGGTCCACGC	TCAAAACCTA	TGGCAACAAG
		GCAGCACAAGG				
		TCGATGGCCT				
		AACAGATCAA				
		TGGAGGAGGA				
		AGGAGACGCT				
		GTCTGCCCAC				
18001	CCCAGCAGCA	GCAGCCAGCC	CGCGACCCTG	GACTTGCCTC	CGCCTGCTTC	CCGCCCCTCC
		AGCCCCTGCC				
		GGCAGAGCAC				
18181	CGCCGCCGCT	GCTATTAAAA	CACACTCTAC		CCTTCTCTCT	CUCUNUNTUCU
		ACCAGAAGGA				
		CCAGTGGGCG				
		GGTGCAGTTC				
		CACGGTGGCG				
18481	CGCTGCGCTT	CGTGCCCGTG	GACCGCGAGG	ACAACACCTA	CTCGTACAAA	GTGCGCTACA
18541	CGCTGGCCGT	GGGCGACAAC	CGCGTGCTGG	ACATGGCCAG	CACCTACTTT	GACATCCGCG
18601	GCGTGCTGGA	TCGGGGGCCC	AGCTTCAAAC	CCTACTCCGG	CACCGCCTAC	AACAGCCTGG
18661	CTCCCAAGGG	AGCGCCCAAC	ACTTGCCAGT	GGACATATAA	ACCTCCTCAT	ACTCATACAC
		TACATATGGA				
		AACTGACAGC				
		GGGTGATGCT				
		TAAGCCTGAC				
		AGGAGGCCAG				
19021	ACATTGACAT	GGCATTCTTC	GATAATCGAA	GTGCAGCTGC	CGCCGGCCTA	GCCCCAGAAA
		TACTGAGAAT				
		TGACAGTAGC				
		TGGCTTCAGA				
19261	ATATCCCTCT	ACTGGCTGGA	CACCCCTCCC	TCGGTCTGTT	TCTTCTTCTTC	MACACIGGCA
10201	CAAACACCCA	ACTOGCTOA	CAGGCCICCC	AGCTGAATGC	TGTGGTGGAC	TIGCAGGACA
		ACTGTCCTAC				
		GAATCAGGCG				
		GGATGAACTT				
		GGGAATTAAG				
19561	CTGTTAATGA	TGCTAATGAA	TTGGGCAAGG	GCAATCCTTT	CGCCATGGAG	ATCAACATCC
19621	AGGCCAACCT	GTGGCGGAAC	TTCCTCTACG	CGAACGTGGC	GCTGTACCTG	CCCGACTCCT
19681	ACAAGTACAC	GCCGGCCA.AC	ATCACGCTGC	CCACCAACAC	CAACACCTAC	GATTACATGA
		GGTGGCGCCC				
		CATGGACAAC				
10001	ACCGCICCAI	GCTCCTGGGC	AACGGGCGCT	ACGIGCCCTT	CCACATCCAG	GTGCCCCAAA
19921	AGTTTTTCGC	CATCAAGAGC	CTCCTGCTCC	TGCCCGGGTC	CTACACCTAC	GAGTGGAACT
		CGTCAACATG				
		CGCCTTCACC				
20101	ACACCGCCTC	CACGCTCGAG	GCCATGCTGC	GCAACGACAC	CAACGACCAG	TCCTTCAACG
		GGCGGCCAAC				
20221	TCTCCATCCC	CTCGCGCALAC	TGGGCCGCCT	TCCGCGGCTG	GTCCTTCACG	ССССТСААСА
20281	CCCGCGAGAC	GCCTCGCTC	GGCTCCGGGT	TCCDCCCCTD	CTTCCTCTAC	TCCCCCTCTA
203/1	TCCCCTACCT	CGACGGCACC	TTTCTT CCTCT	ACCACACCCIA	CIICGICIAC	TCGGGGTCCA
2040I	TOGACICCIC	CGTCAGCTGG	CCCGGCAACG	ACCGCCTCCT	GACGCCCAAC	GAGTTCGAAA
ZU461	TCAAGCGCAC	CGTCGACGGA	GAGGGGTACA	ACGTGGCCCA	GTGCAACATG	ACCAAGGACT
20521	GGTTCCTGGT	CCAGATGC TG	GCCCACTACA	ACATCGGCTA	CCAGGGCTTC	TACGTGCCCG
20581	AGGGCTACAA	GGACCGCATG	TACTCCTTCT	TCCGCAACTT	CCAGCCCATG	AGCCGCCAGG
20641	TCGTGGACGA	GGTCAACTAC	AAGGACTACC	AGGCCGTCAC	CCTGGCCTAC	CAGCACAACA
20701	ACTCGGGCTT	CGTCGGCTAC	CTCGCGCCCA	CCATGCGCCA	GGGCCAGCCC	TACCCCGCCA
20761	ACTACCCCTA	CCCGCTCATC	GGCAAGAGCG	CCGTCGCCAG	CGTCACCCAG	AAAAACTTCC
20821	TCTGCGACCG	GGTCATGTGG	CGCATCCCCT	TCTCCACCAA	C.d.d.C.v.d.d.c.c.c	ATGGGGGGGGG
	50011000			LOLUCAGOAA	O11CHIGICC	ンむつむつむひひむょ、、、

20001	שכז כככז ככש	CGGCCAGAAC	» maamam» aa	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
		CCCCATGGAT				
		GCACCAGCCC				
		CAACGCCACC				
		AGCAGGAGCT				
		TCGACAAGCG				
		CGGCCGGCCG				
		ACACCTGCTA				
21361	CAGATCTACC	AGTTCGAGTA	CGAGGGCCTG	CTGCGTCGCA	GCGCCCTGGC	CACCGAGGAC
21421	CGCTGCGTCA	CCCTGGAAAA	GTCCACCCAG	ACCGTGCAGG	GTCCGCGCTC	GGCCGCCTGC
21481	GGGCTCTTCT	GCTGCATGTT	CCTGCACGCC	TTCGTGCACT	GGCCCGACCG	CCCCATGGAC
21541	AAGAACCCCA	CCATGAACTT	GCTGACGGGG	GTGCCCAACG	GCATGCTCCA	GTCGCCCCAG
		CCCTGCGCCG				
		GCTCCCACCG				
		AATCCGGTGT				
		CCTTCTCTGA				
		GCCCGCGGGC				
21901	ACTCGGGGAT	CAGCAGCTTC	GGCACGGGGA	GGTCGGGGAA	CCACTCCCTC	CACACCTTCC
		CAGGGCGCCC				
		CGCGCGAGAG				
		CACGCTCGCC				
		CATCCCGAAG				
		GTGGTTGCAA				
		CGGGTACATG				
		CTCGGTGAAG				
		GTGCACGCAG				
		CTGGGTGATC				
		CACATCCATC				
		CTTGCCCTCG				
		CTTGTGGGCG				
		GGTCAGGGTC				
		CAGGTGGCAG				
		CAGGTCGCTC				
		CCAGGCCGAA				
		CGCCGAAGTC				
		GGTGATGCGC				
23041	CGGCCTGCCT	TTCGTCCTCG	CTGTCCTGGC	TGATGTCTTG	CAAAGGCACA	TGCTTGGTCT
23101	TGCGGGGTTT	CTTTTTGGGC	GGCAGAGGCG	GCGGCGGAGA	CGTGCTGGGC	GAGCGCGAGT
23161	TCTCGCTCAC	CACGACTATT	TCTTCTCCTT	GGCCGTCGTC	CGAGACCACG	CGGCGGTAGG
23221	CATGCCTCTT	CTGGGGCAGA	GGCGGAGGCG	ACGGGCTCTC	GCGGTTCGGC	GGGCGGCTGG
23281	CAGAGCCCCT	TCCGCGTTCG	GGGGTGCGCT	CCTGGCGGCG	CTGCTCTGAC	TGACTTCCTC
		${\tt CATTGTGTTC}$				
23401	CATCGCCATC	TGCCCCCGCC	GCCGCCGACG	AGAACCAGCA	GCAGCAGAAT	GAAAGCTTAA
23461	CCGCCCCGCC	GCCCAGCCCC	ACCTCCGACG	CCGCAGCCCC	AGACATGCAA	GAGATGGAGG
		GATTGACCTG				
		AGCCCCGGAA				
		GGCTGGGCTC				
		GGCCCGCCAA				
23761	TGCCCCTCAG	CGTGGCGGAG	CTCAGCCGCG	CCTACGAGCG	CAACCTCTTC	TCCCCCCCCC
23821	TGCCCCCAA	GCGCCAGCCC	AACCCCACCT	CCCACCCCAA	CCCCCCCCC	A A CHUMCHEA CC
23881	CCCTCTTCCC	GGTGCCCGAG	CCCCTCCCC	CCTACCACCT	COCGCGCCIC	AACTICIACC
		CTGCCGCGCC				
		ACCTGATATC				
		GACTCGGGCC				
		GGTGGAGTTG				
		CCACTTCGCC				
		GGTGCTCATC				
∇#20T	CCGAGAGCTC	GGACGAGGGC	AAGCCCGTGG	TCAGCGACGA	GCAGCTGGCG	CGCTGGCTGG

25561	GAGAGCAGTC	ACCCACACCA	GGAGGAGATG	C N N C N C M C C C	3 C 3 C C 3 C C C C C 3	GGG7 G7 GG7 G
2/361	CACCCACTAC	CACCCCCCA	AGCCTGGAAG	A COCCOCCA A	ACAGCACICA	GGCAGAGGAG
24301	TOOLONG AGO	DADUUUUUU	AGCCIGGAAG	AGCGGCGCAA	GCTCATGATG	GCCGTGGTCC
24421	TGGTGACCGT	GGAGCTGGAG	TGTCTGCGCC			
		GAACCTGCAC				GCCTGCAAGA
		GGAGCTGACC			CATCCTGCAC	
		CGTGCTGCAC			CCGCCGCGAC	
	ACTGCGTCTA		TGCCACACCT	GGCAGACGGG	CATGGGCGTG	TGGCAGCAGT
		GCAGAACCTG		GCAAGCTCCT	GCAGAAGAAC	CTCAAGGCCC
24781	TGTGGACCGG	GTTCGACGAG	CGCACCACCG	CCGCGGACCT	GGCCGACCTC	ATCTTCCCCG
24841	AGCGCCTGCG	GCTGACGCTG	CGCAACGGGC	TGCCCGACTT	TATGAGCCAA	AGCATGTTGC
24901	AAAACTTTCG	CTCTTTCATC			GCCCGCCACC	
24961	TGCCCTCGGA	CTTCGTGCCG			CCCGCCGCTC	
25021	GCTACCTGCT	GCGCCTGGCC			GGACGTGATC	
	GCGGCGAGGG				CTGCACGCCG	
	TGGCCTGCAA				CGGCACCTTC	
25201	GCCCCGGCGA	GGGCAAGGGG			GCTGTGGACC	
		CGTGCCCGAG				
		CAAGGCCGAG			CCAGGGGGCC	
		CATCCAGAAA			GAAAAAGGGC	
	ACTTGGACCC				CCCCCAGGAT	
	AGCAGCAAGA				AGGATTTGGA	
	GACAGCCTGC					
	GCCGCCGCCA				AGGAGGCAGA	
					CAAGCAGCAC	
	TCCGCTCCGG				GATGGGACGA	
	TTCCCGAACC		GACCGGTAAG			
	GGGCACAAAA		CTCCTGCTTG			
		TGCTCTTCCA				
		ACAGCCCCTA				
	CAGCAGCAGA		CAGCAGCTAG			
		AACGAGCCGG		GGAGCTGAGG	AACCGGATCT	TTCCCACCCT
26161	CTATGCCATC	TTCCAGCAGA	GTCGGGGGCA			
		CTCACCCGCA	GTTGTCTGTA	TCACAAGAGC	GAAGACCAAC	TTCAGCGCAC
26281	TCTCGAGGAC	GCCGAGGCTC	TCTTCAACAA	GTACTGCGCG	CTCACTCTTA	AAGAGTAGCC
26341	CGCGCCCGCC	CACACACGGA	AAAAGGCGGG	AATTACGTCA	CCACCTGCGC	CCTTCGCCCG
26401	ACCATCATCA	TGAGCAAAGA	GATTCCCACG	CCTTACATGT	GGAGCTACCA	GCCCCAGATG
		CCGGCGCCGC				
26521	CCCGCGATGA	TCTCACGGGT	GAATGACATC			
26581	CAGTCAGCGA	TCACCGCCAC	GCCCCGCCAT			
			CCAGCCCACG	ACCGTACTAC	TTCCGCGAGA	CGCCCAGGCC
26701	GAAGTCCAGC	TGACTAACTC	AGGTGTCCAG	CTGGCCGGCG	GCGCCCCCT	CTCTCCTCAC
26761	CGCCCCGCTC	AGGGTATAAA	GCGGCTGGTG	ATCCGAGGCA	GAGGCACACA	CCTCAACCAC
26821	GAGGTGGTGA	GCTCTTCGCT	GGGTCTGCGA	CCTGACGGAG	TOTTOCAACT	CCCCCCATCC
			TCGTCAGGCC	CTCCTCACTT	TCCACCAACT	CACCAGATCA
26941	CCCCGCTCGG	GTGGCATCGG	CACTCTCCAG	TTCCTCACC	A CTUTC A CTUCC	CTCCCCCCAG
27001	TTCAACCCCT	TCTCCCCCTC	CCCCGGCCAC	TICGIGGAGG	AGTICACTCC	CICGGICIAC
27061	CCCATCACCC	A CALCAGACTA	CGGCTACGAT	TACCCGGACG	AGTTCATCCC	GAACTTCGAC
27101	CCTCCCCTTC	CACACCCCCA	CCACTGCCGC	CCCMMCCCCM	ATGGTGGCGC	GGCTGACCTA
27121	CACEERCLIC	A COUNTRY COM	CCACIGCGC	CGCTTCCGCT	GCTTCGCTCG	GGATCTCGCC
27101	AMCCMCCMCC	ACTITGAGCT	GCCCGAGGAG	CACCCTCAGG	GCCCGGCCCA	CGGAGTGCGG
∠/∠4⊥ 07201	WICGICGICG	AAGGGGGTCT	CGACTCCCAC	CTGCTTCGGA	TCTTCAGCCA	GCGTCCGATC
∠/3UI	CTGGCCGAGC	GCGAGCAAGG	ACAGACCCTT	CTGACCCTGT	ACTGCATCTG	CAACCACCCC
Z/361	GGCCTGCATG	AAAGTCTTTG	TTGTCTGCTG	TGTACTGAGT	ATAATAAAAG	CTGAGATCAG
27421	CGACTACTCC	GGACTTCCGT	GTGTTCCTGC	TATCAACCAG	TCCCTGTTCT	TCACCGGGAA
27481	CGAGACCGAG	CTCCAGCTCC	AGTGTAAGCC	CCACAAGAAG	TACCTCACCT	GGCTGTTCCA
27541	GGGCTCTCCG	ATCGCCGTTG	TCAACCACTG	CGACAACGAC	GGAGTCCTGC	TGAGCGGCCC
27601	TGCCAACCTT	ACTTTTTCCA	CCCGCAGAAG	CAAGCTCCAG	CTCTTCCAAC	CCTTCCTCCC
27661	CGGGACCTAT	CAGTGCGTCT	CGGGACCCTG	CCATCACACC	TTCCACCTGA	TCCCGAATAC
27721	CACAGCGTCG	CTCCCCGCTA	CTAACAACCA	AACTACCCAC	CAACGCCACC	GTCGCGACCT
27781	TTCCTCTGGG	TCTAATACCA	CTACCGGAGG	TGAGCTCCGA	GGTCGACCAA	CCTCTGGGAT

2784 1	TTACTACGGC	CCCTGGGAGG	TGGTAGGGTT	AATAGCGCTA	CCCCTACTTC	ССССТССССТ
2790 1	TTTGGCTCTC	TGCTACCTAT	ACCTCCCTTG	CTGTTCGTAC	TTACTCCTCC	TOTOTOTO
27961	GTTTAACAAA	TGCCCAACAT	CACCCTAGTG	VCCTCCCCTC	TIAGIGGIGC	GGTGGTGCTT
28021			CGCGGCTGTA			
28081			GCTGAGTTTT			
_			CGAGAACGTG			
28201						GACTCGGAAC
			GCAGCCCGGG			
			CACCGTGAAT			
28321			GCAGTACGAT			
28381			CGTGTGCACG			
28441	ATTCACATGC	TCATCGCTAT	TCGCCCCAGA	AATAATGCCG	AAAAAGAAAA	ACAGCCATAA
			TTTCAGACCA			
28561			CATGGAATGA			
2862 <u>1</u>			CCAGAAAAAG			
28681	ATGAATCAGA	TGTATCTACT	GAACTCTGTG	GAAACAATAA	CAAAAAAAAT	GAGAGCATTA
28741	CTCTCATCAA	GTTTCAATGT	GGATCTGACT	TAACCCTAAT	TAACATCACT	AGAGACTATG
28801			ACAGCAGGCA			
28861			AGAATGACCA			
28921			TTTCTTGCCA			
28981			GAGGAAATTC			
29041			ATCGCCTTGT			
29101			CTGGAACACT			
29161			TTAGTTTTT			
29221			GTTGTCGGAT			
29281			TGGTTCGGAA			
29341			AATTCTAAAA			
29401						
29461			AAAGCATATG			
			AA AGTGGAAG			
29521			CACACAGAAC			
29581	CCTTCCAGGT	TCACGGAGAT	TCCTTTGCTG	TCAATACCCC	TACACCCGAT	CAGCGGTGTC
29641			${\tt ATTGTCGGTG}$			
29701			TGCTATAGAA			
29761			$\verb"TTTCCAGAGC"$			
29821			${\tt TTAGTGCTGG}$			
29881			GCATCAGTGG			
29941			${\tt GCGATTGGAA}$			
30001	CCTCACCATT	ACTAATGCCA	CC CAAGATCA	GAATGGTAGG	TTTAAGGGCC	AGAGTTTCAC
30061	TAGAAATAAT	GGGTATGAAT	CC CATAACAT	GTTTATCTAT	GACGTCACTG	TCATCAGAAA
30121	TGAGACTGCC	ACCACCACAC	AGATGCCCAC	TACACACAGT	TCTACCACTA	CTACCATGCA
30181	AACCACACAG	ACAACCACTA	CATCAACTCA	GCATATGACC	ACCACTACAG	CAGCAAAGCC
30241	AAGTAGTGCA	GCGCCTCAGC	CC CAGGCTTT	GGCTTTGAAA	GCTGCACAAC	CTAGTACAAC
30301	TACTAGGACC	AATGAGCAGA	CTACTGAATT	TTTGTCCACT	GTCGAGAGCC	ACACCACAGC
30361	TACCTCCAGT	GCCTTCTCTA	GC.ACCGCCAA	TCTCTCCTCG	CTTTCCTCTA	CACCAATCAG
30421	TCCCGCTACT	ACTCCCACCC	CAGCTCTTCT	CCCCACTCCC	CTGAAGCAAA	CTGAGGACAG
30481	CGGCATGCAA	TGGCAGATCA	CC CTGCTCAT	TGTGATCGGG	TTGGTCATCC	TGGCCGTGTT
30541	GCTCTACTAC	ATCTTCTGCC	GC CGCATTCC	CAACGCGCAC	CGCAAACCGG	CCTACAACCC
30601			AG CCGCTTCA			
30661	CTCTTTTACA	GTATGGTGAT	TG.AACTATGA	TTCCTACACA	A TOTOTTO ATO	ALCITCICII
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22081	cggggttgca	gcactggaac	accatcaggg	ccgggtgctt	cacgctcgcc	agcaccgtcg	
22141	cgtcggtgat	gccctccacg	tccagatcct	cggcgt tggc	catcccgaag	ggggtcatct	
22201	tgcaggtctg	ccgccccatg	ctgggcacgc	agccgggctt	gtggttgcaa	tcgcagtgca	
				agctcatgcc			
				ccttgccgcc			
				agccggcgtc			
				cccagcggtt			
				tctcgctcgc			
				ggcatcgcag			
				actcccagtt			
				ccatcatcgt			
				cgttcacata			
				aggcggactt			
				tgcccttctc			
				tcttagtcgc			
				tgccgtcctt			
				cctcggcctg			
				tcttgcgggg			
				agttctcgct			
				aggcatgcct			
				tggcagagcc			
				ctccgcggcc			
23401	gagcaacaag	catggagact	cagccatcgt	cgccaacatc	gccatctgcc	cccgccgccg	
23461	ccgacgagaa	ccagcagcag	aatgaaagct	taaccgcccc	gccgcccagc	cccacctccg	
23521	acgccgccgc	ggccccagac	atgcaagaga	tggaggaatc	catcgagatt	gacctgggct	
				tggcagcgcg			
				agagcgagca			
				tgctcatcaa			
				ccgaggtgcc			
				cgcgcgtgcc			
				tctacccggt			
				aaaggatccc			
				gtcccggcgc			
				gtctgggcag			
				agcaccacag			
				gcacggtcga			
				gcgccgtcat			
∠4301	gegeetegee	cctctcggat	gaggacatgc	aggaccccga	gagctcggac	gagggcaagc	

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24361 ccgtggtcag cgacgagcag ctggcgcgct ggctgggagc gagtagcacc ccccagagct 24421 tggaagagcg gcgCaagctc atgatggccg tggtcctggt gaccgtggag ctggagtgtc 24481 tgcgccgctt cttcgccgac gcagagaccc tgcgcaaggt cgaggagaac ctgcactacc 24541 tcttcaggca cgggtttgtg cgccaggcct gcaagatctc caacgtggag ctgaccaacc 24601 tggtctccta catgggcatc ctgcacgaga accgcctggg gcagaacgtg ctgcacacca 24661 ccctgcgcgg ggaggcccgc cgcgactaca tccgcgactg cgtctacctg tacctctgcc 24721 acacctggca gacgggcatg ggcgtgtggc agcagtgcct ggaggagcag aacctgaaag 24781 agctctgcaa gctcctgcag aagaacctga aggccctgtg gaccgggttc gacgagcgca 24841 ccaccgcctc ggacctggcc gacctcatct tccccgagcg cctgcggctg acgctgcgca 24901 acggactgcc cgactttatg agtcaaagca tgttgcaaaa ctttcgctct ttcatcctcg 24961 aacgctccgg gatcctgccc gccacctgct ccgcgctgcc ctcggacttc gtgccgctga 25021 cetteegega gtgcccccg cegetetgga gccaetgeta cetgetgege etggccaact 25081 acctggccta ccactcggac gtgatcgagg acgtcagcgg cgagggtctg ctcgagtgcc 25141 actgccgctg caacctctgc acgccgcacc gctccctggc ctgcaacccc cagctgctga 25201 gcgagaccca gatcatcggc accttcgagt tgcaaggccc cggcgagggc aaggggggtc 25261 tgaaactcac cccggggctg tggacctcgg cctacttgcg caagttcgtg cccgaggact 25321 accatccctt cgagatcagg ttctacgagg accaatccca gccgcccaag gccgaactgt 25381 cggcctgcgt catcaccag ggggccatcc tggcccaatt gcaagccatc cagaaatccc 25441 gccaagaatt tctgctgaaa aagggccacg gggtctacct ggacccccag accggagagg 25501 agctcaaccc cagcttcccc caggatgccc cgaggaagca gcaagaagct gaaagtggag 25561 ctgccgccgc cggaggattt ggaggaagac tgggagagca gtcaggcaga ggaggaggag 25621 atggaagact gggacagcac tcaggcagag gaggacagcc tgcaagacag tctggaagac 25681 gaggtggagg aggaggcaga ggaagaagca gccgccgcca gaccgtcgtc ctcggcggag 25741 aaagcaagca gcacggatac catctccgct ccgggtcggg gtcgcggcga ccgggcccac 25801 agtaggtggg acgagaccgg gcgcttcccg aaccccacca cccagaccgg taagaaggag 25861 cggcagggat acaagtcctg gcgggggcac aaaaacgcca tcgtctcctg cttgcaagcc 25921 tgcgggggca acatetectt.cacccgccgc tacctgctct tccaccgcgg ggtgaacttc 25981 ccccgcaaca tcttgcatta ctaccgtcac ctccacagcc cctactactg tttccaaqaa 26041 gaggcagaaa cccagcagca gcagaaaacc agcggcagca gcagctagaa aatccacagc 26101 ggcggcaggt ggactgagga tcgcagcgaa cgagccggcg cagacccggg agctgaggaa 26161 ccggatcttt cccaccctct atgccatctt ccagcagagt cgggggcagg agcaggaact 26221 gaaagtcaag aaccgttctc tgcgctcgct cacccgcagt tgtctgtatc acaagagcga 26281 agaccaactt cagcgcactc tcgaggacgc cgaggctctc ttcaacaagt actgcgcgct 26341 cactettaaa gagtageeeg egeegeeca cacaeggaaa aaggegggaa ttaegteace 26401 acctgcgccc ttcgcccgac catcatcatg agcaaagaga ttcccacgcc ttacatgtgg 26461 agctaccage cccagatggg cctggccgcc ggcgccgccc aggactactc cacccgcatq 26521 aactggctca gcgccgggcc cgcgatgatc tcacgggtga atgacatccg cgcccgccga 26581 aaccagatac tectagaaca gteagegate accgecacge eccgecatea cettaateeg 26641 cgtaattggc ccgccct ggtgtaccag gaaattcccc agcccacgac cgtactactt 26701 ccgcgagacg cccaggccga agtccagctg actaactcag gtgtccagct ggccggcggc 26761 gccgccctgt gtcgrtcaccg ccccgctcag ggtataaagc ggctggtgat ccgaggcaga 26821 ggcacacagc tcaa.cgacga ggtggtgagc tcttcgctgg gtctgcgacc tgacggagtc 26881 ttccaactcg ccggratcggg gagatcttcc ttcacgcctc gtcaggccgt cctgactttg 26941 gagagttcgt cctcgcagcc ccgctcgggt ggcatcggca ctctccagtt cgtggaggag 27001 ttcactccct cggtctactt caaccccttc tccggctccc ccggccacta cccggacgag 27061 ttcatcccga acttcgacgc catcagcgag tcggtggacg gctacgattg aatgtcccat 27121 ggtggcgcag ctgacctagc tcggcttcga cacctggacc actgtcgcct ctcctacgag 27181 ctcctgcagc agcgccagaa gttcacctgc ctggtcggag tcaaccccat cgtcatcacc 27241 cagcagtcgg gcgataccaa ggggtgcatc cactgctcct gcgactcccc cgactgcgtc 27301 cacactetga teaa.gaceet etgeggeete egegaeetee teeceatgaa etaateaeee 27361 ccttatccag tgaa.ataaag atcatattga tgatttgagt ttaataaaaa taaagaatca 27421 cttacttgaa atct gatacc aggtctctgt ccatgttttc tgccaacacc acttcactcc 27481 cctcttccca gctctggtac tgcaggcccc ggcgggctgc aaacttcctc cacaccctga 27541 aggggatgtc aaattcctcc tgtccctcaa tcttcatttt atcttctatc agatgtccaa 27601 aaagcgcgtc cgggrtggatg atgacttcga ccccgtctac ccctacgatg cagacaacgc 27661 accgaccgtg ccct tcatca acccccctt cgtctcttca gatggattcc aagagaagcc 27721 cctgggggtg ctgtccctgc gtctggccga tcccgtcacc accaagaacg gggaaatcac 27781 cctcaagctg ggagratgggg tggacctcga ctcctcggga aaactcatct ccaacacggc

27841	caccaaggcc	gccgcccctc	tcagtttttc	caacaacacc	atttccctta	acatggatac
27901	ccctttttac	aacaacaatg	gaaagttagg	catgaaagtc	actgctccac	tgaagatact
27961	agacacagac	ttgctaaaaa	cacttgttgt	agcttatgga	caaggtttag	gaacaaacac
28021	cactagtacc	cttattaccc	aactagcatc	cccacttact	tttgatagca	atagcaaaat
					aatagactga	
28141	caatagagga	ctctatctta	ctaccacaaa	agatgcactg	gaagccaata	taarttaaac
					attgatacac	
					gcttaccca	
20221	actiggaget	ggictcacat	ttgacagcac	aggigeaatt	gttgcatgga	acaaagatga
					aattgtcaca	
					agtcagattc	
					acaggaacag	
					agcagctcaa	
					gaagcctata	
					agtggagctg	
					ccactggacc	
					aactttcaat	
28861	ggctgatcaa	tataaaaatg	aaacacttgc	cgtcagttca	ttcacctttt	cctatattgc
					gaaaaaactc	
					tacaggattc	
					tcccccgca	
					acgttccaca	
					gggcactccc	
					atcacggtta	
					teggeeggtg	
					tgctgctcag	
						ggtgcggggggggggggggggggggggggggggggggg
20161	aggaggact	gastgaggat	gacgcccacg	tacatacast	icagicagici	ggtgeggegg
20521	gcgcagcagc	gcargeggar	ctegeteagg	tegetgeagt	acgtgcaaca	caggaccacc
2932I	aggitgitca	acagiccata	gtteaacacg	ctecageega	aactcatcgc	gggaaggatg
7328T	ctacccacgt	ggccgccgca	ccagatecte	aggtaaatca	agtggcgccc	cctccagaac
-2904±	aegetgecea	tgtacatgat	ctccttgggc	atgtggeggt	tcaecacctc	ccggtaccac-
29/01	atcaccctct	ggttgaacat	gcagccccgg	atgatectge	ggaaccacag	ggccagcacc
29761	gccccgcccg	ccatgcagcg	aagagacccc	gggtcccgac	aatggcaatg	gaggacccac
29821	cgctcgtacc	cgtggatcat	ctgggagctg	aacaagtcta	tgttggcaca	gcacaggcat
					tcaaaaccat	
29941	acggggaact	cttgcaggac	agcgaacccc	gcagaacagg	gcaatcctcg	cacataactt
					ggtgatcctc	
					gccgatacgg	
					tgctttcgga	
30181	cttgctgtag	cagaacctgg	tccgggcgct	gcacaccgat	caccaacaac	ggtcccggcg
30241	cttggaacgc	tcggtgttga	agttgtaaaa	cagccactct	ctcagaccgt	gcagcagatc
30301	tagggcctca	ggagtgatga	agatcccatc	atgcctgatg	gctctaatca	catcgaccac
30361	cgtggaatgg	gccagaccca	gccagatgat	gcaattttgt	tgggtttcgg	tgacggcggg
					aaacggtctc	
					tgttggtgga	
					gcttccagca	
					ttctctaatt	
					ttccagcctt	
					agctcgcgca	
					tctgctcctg	
					ccctaagete	
30001	agtagattya	caaycyyaat	actataaact	cogogogat	toggaata	eleceteage
					tagccatagg	
					ctccccagtg	
					tatcttccag	
2T08T	agaaaatcgc	ccaggcaatt	tttaagaaaa	tcaacaaaag	aaaaatcctc	caggtgcacg
					tgcgttccag	
					atgctagcct	
31261	tgggtaaatc	gttctctcca	gcaccaggca	ggccacgggg	tctccggcac	gaccctcgta

31321	aaaattgtcg	ctatgattga	aaaccatcac	agagagacgt	tcccgg tggc	cggcgtgaat
31381	gattcgacaa	gatgaataca	cccccggaac	attggcgtcc	gcgagt gaaa	aaaagcgccc
					agcaaa gcga	
					ctcccc tcct	
31561	caaagccccc	gatccctcca	ggtacacata	caaagcctca	gcgtcc atag	cttaccgagc
					ctctaa cctg	
					gccaaa gtct	
					gtgaca cact	
					gttccc acgc	
					cccgcc ccgc	
31921	cgccgctccc	gcagccaat c	accgccccgc	atccccaaat	tcaaat acct	catttgcata
					(SEQ ID NO	

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1	ATGAAGCGCA	CCAAAACGTC	TGACGAGAGC	TTCAACCCCG	TGTACCCCTA	TGACACGGAA
61	AGCGGCCCTC	CCTCCGTCCC	TTTCCTCACC	CCTCCCTTCG	TGTCTCCCGA	TGGATTCCAA
121	GAAAGTCCCC	CCGGGGTCCT	GTCTCTGAAC	CTGGCCGAGC	CCCTGGTCAC	TTCCCACGGC
181	ATGCTCGCCC	TGAAAATGGG	AAGTGGCCTC	TCCCTGGACG	ACGCTGGCAA	CCTCACCTCT
241	CAAGATATCA	CCACCGCTAG	CCCTCCCCTC	AAAAAAACCA	AGACCAACCT	CAGCCTAGAA
301	ACCTCATCCC	CCCTAACTGT	GAGCACCTCA	GGCGCCCTCA	CCGTAGCAGC	CGCCGCTCCC
361	CTGGCGGTGG	CCGGCACCTC	CCTCACCATG	CAATCAGAGG	CCCCCCTGAC	AGTACAGGAT
421	GCAAAACTCA	CCCTGGCCAC	CAAAGGCCCC	CTGACCGTGT	CTGAAGGCAA	ACTGGCCTTG
481	CAAACATCGG	CCCCGCTGAC	GGCCGCTGAC	AGCAGCACCC	TCACAGTCAG	TGCCACACCA
541	CCCCTTAGCA	CAAGCAATGG	CAGCTTGGGT	ATTGACATGC	AAGCCCCCAT	TTACACCACC
601	AATGGAAAAC	TAGGACTTAA	CTTTGGCGCT	CCCCTGCATG	TGGTAGACAG	CCTAAATGCA
661	CTGACTGTAG	TTACTGGCCA	•	ATAAACGGAA	CAGCCCTACA	AACTAGAGTC
721	TCAGGTGCCC	TCAACTATGA		AACCTAGAAT	TGAGAGCTGC	AGGGGGTATG
781	CGAGTTGATG	CAAATGGTCA		GATGTAGCTT	ACCCATTTGA	TGCACAAAAC
841	AATCTCAGCC	TTAGGCTTGG	ACAGGGACCC	CTGTTTGTTA	ACTCTGCCCA	CAACTTGGAT
901	GTTAACTACA	ACAGAGGCCT	CTACCTGTTC	ACATCTGGAA	ATACCAAAAA	GCTAGAAGTT
961	AATATCAAAA	CAGCCAAGGG	TCTCATTTAT	GATGACACTG	CTATAGCAAT	CAATGCGGGT
1021	GATGGGCTAC	AGTTTGACTC	AGGCTCAGAT	ACAAATCCAT	TAAAAACTAA	ACTTGGATTA
1081	GGACTGGATT	ATGACTCCAG	CAGAGCCATA	ATTGCTAAAC	TGGGAACTGG	CCTAAGCTTT
1141	GACAACACAG	GTGCCATCAC	AGTAGGCAAC	AAAAATGATG	ACAAGCTCAC	CTTGTGGACC
1201	ACACCAGACC	CATCTCCTAA	CTGTAGAATC	TATTCAGAGA	AAGATGCTAA	ATTCACACTT
1261	GTTTTGACTA	AATGCGGCAG	TCAGGTGTTG	GCCAGĆGTTT	CTGTTTTATC	TGTAAAAGGT
1321	AGCCTTGCGC	CCATCAGTGG	CACAGTAACT	AGTGCTCAGA	TTGTCCTCAG	ATTTGATGAA
1381	AATGGAGTTC	TACTAAGCAA	TTCTTCCCTT	GACCCTCAAT	ACTGGAACTA	CAGAAAAGGT
1441	GACCTTACAG	AGGGCACTGC	ATATACCAAC	GCAGTGGGAT	TTATGCCCAA	CCTCACAGCA
1501	TACCCAAAAA	CACAGAGCCA	AACTGCTAAA	AGCAACATTG	TAAGTCAGGT	TTACTTGAAT
1561	GGGGACAAAT	CCAAACCCAT	GACCCTCACC	ATTACCCTCA	ATGGAACTAA	TGAAACAGGA
1621	GATGCCACAG	TAAGCACTTA	CTCCATGTCA	TTCTCATGGA	ACTGGAATGG	AAGTAATTAC
1681	ATTAATGAAA	CGTTCCAAAC	CAACTCCTTC	ACCTTCTCCT	ACATCGCCCA	AGAATAA
(SEQ	ID NO: 6)				44.1	

_						
1	ATGTCCAAAA	AGCGCGTCCG	GGTGGATGAT	GACTTCGACC	CCGTCTACCC	CTACGATGCA
61	GACAACGCAC	CGACCGTGCC	CTTCATCAAC	CCCCCTTCG	TCTCTTCAGA	TGGATTCCAA
121	GAGAAGCCCC	TGGGGGTGTT	GTCCCTGCGA	CTGGCCGACC	CCGTCACCAC	CAAGAACGGG
181	GAAATCACCC	TCAAGCTGGG	AGAGGGGGTG	GACCTCGATT	CCTCGGGAAA	ACTCATCTCC
241	AACACGGCCA	CCAAGGCCGC	CGCCCCTCTC	AGTTTTTCCA	ACAACACCAT	TTCCCTTAAC
301	ATGGATCACC	CCTTTTACAC	TAAAGATGGA	AAATTATCCT	TACAAGTTTC	TCCACCATTA
361	AATATACTGA	GAACAAGCAT	TCTAAACACA	CTAGCTTTAG	GTTTTGGATC	AGGTTTAGGA
421	CTCCGTGGCT	CTGCCTTGGC	AGTACAGTTA	GTCTCTCCAC	TTACATTTGA	TACTGATGGA
481	AACATAAAGC	TTACCTTAGA	CAGAGGTTTG	CATGTTACAA	CAGGAGATGC	AATTGAAAGC
541	AACATAAGCT	GGGCTAAAGG	TTTAAAATTT	GAAGATGGAG	CCATAGCAAC	CAACATTGGA
601	AATGGGTTAG	AGTTTGGAAG	CAGTAGTACA	GAAACAGGTG	TTGATGATGC	TTACCCAATC
661	CAAGTTAAAC	TTGGATCTGG	CCTTAGCTTT	GACAGTACAG	GAGCCATAAT	GGCTGGTAAC
721	AAAGAAGACG	ATAAACTCAC	TTTGTGGACA	ACACCTGATC	CATCACCAAA	CTGTCAAATA
781	CTCGCAGAAA	ATGATGCAAA	ACTAACACTT	TGCTTGACTA	AATGTGGTAG	TCAAATACTG
841	GCCACTGTGT	CAGTCTTAGT	TGTAGGAAGT	GGAAACCTAA	ACCCCATTAC	TGGCACCGTA
901	AGCAGTGCTC	AGGTGTTTCT	ACGTTTTGAT	GCAAACGGTG	TTCTTTTAAC	AGAACATTCT
961	ACACTAAAAA	AATACTGGGG	GTATAGGCAG	GGAGATAGCA	TAGATGGCAC	TCCATATACC
1021	AATGCTGTAG	GATTCATGCC	CAATTTAAAA	GCTTATCCAA	AGTCACAAAG	TTCTACTACT
1081	AAAAATAATA	TAGTAGGGCA	AGTATACATG	AATGGAGATG	TTTCAAAACC	TATGCTTCTC
1141	ACTATAACCC	TCAATGGTAC	TGATGACAGC	AACAGTACAT	ATTCAATGTC	ATTTTCATAC
1201	ACCTGGACTA	ATGGAAGCTA	TGTTGGAGCA	ACATTTGGGG	CTAACTCTTA	TACCTTCTCA
1261	TACATCGCCC	AAGAATGA	(SEQ ID NO:	7)		

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1	ATGTCCAAAA	AGCGCGTCCG	GGTG GATGAT	GACTTCGACC	CCGTCTACCC	C TACGATGCA
61	GACAACGCAC	CGACCGTGCC	CTTC_ATCAAC	CCCCCCTTCG	TCTCTTCAGA	TGGATTCCAA
121	GAGAAGCCCC	TGGGGGTGCT	GTCC CTGCGT	CTGGCCGATC	CCGTCACCAC	C.AAGAACGGG
181	GAAATCACCC	TCAAGCTGGG	AGAT GGGGTG	GACCTCGACG	ACTCGGGAAA	ACTCATCTCC
241	AACACGGCCA	CCAAGGCCGC	CGCC CCTCTC	AGTTTTTCCA	ACAACACCAT	TTCCCTTAAC
301	ATGGATACCC	CTCTTTACAA	CAAC ZATGGA	AAGCTAGGTA	TGAAGGTAAC	CGCACCATTA
361	AAGATATTAG	ACACAGATCT	ACTA_AAAACA	CTTGTTGTTG	CTTATGGGCA	GGGATTAGGA
421	ACAAACACCA	ATGGTGCTCT	TGTTGCCCAA	CTAGCATACC	CACTTGTTTT	T.AATACCGCT
481	AGCAAAATTG	CCCTTAATTT	AGGC.ZAATGGA	CCATTAAAAG	TGGATGCAAA	TAGACTGAAC
541	ATTAATTGCA	AAAGAGGTAT	CTATGTCACT	ACCACAAAAG	ATGCACTGGA	GATTAATATC
601	AGTTGGGCAA	ATGCTATGAC	ATTTZATAGGA	AATGCCATTG	GTGTCAATAT	TGACACAAAA
661	AAAGGCCTAC	AGTTCGGCAC	TTCAZAGCACT	GAAACAGATG	TTAAAAATGC	TTTTTCACTC
721	CAAGTAAAAC	TTGGAGCTGG	TCTTZACATTT	GACAGCACAG	GTGCCATTGT	TGCTTGGAAC
781	AAAGAAGATG	ACAAACTTAC	ACTG'TGGACC	ACAGCCGATC	CATCTCCAAA	CTGTCACATA
841	TATTCTGCAA	AGGATGCTAA	GCTTZACACTC	TGCTTGACAA	AGTGTGGTAG	TCAAATCCTA
901	GGCACTGTCT	CCCTATTAGC	AGTCZAGTGGC	AGCTTGGCTC	CTATCACAGG	GGCTGTTAGA
961	ACTGCACTTG	TATCACTCAA	ATTCZAATGCT	AATGGAGCCC	TTTTGGACAA	A'TCAACTCTG
1021	AACAAAGAAT	ACTGGAACTA	CAGACAAGGA	GATCTAATTC	CAGGTACACC	ATATACACAT
1081	GCTGTGGGTT	TCATGCCTAA	CAAAZAAAGCC	TACCCTAAAA	ACACAACTGC	AGCTTCCAAG
1141	AGCCACATTG	TGGGTGATGT	GTAT'TTAGAT	GGAGATGCAG	ATAAACCTTT	ATCTCTTATC
1201	ATCACTTTCA	ATGAAACTGA	TGATGAAACC	TGTGATTACT	GCATCAACTT	TCAATGGAAA
1261	TGGGGAGCTG	ATCAATATAA	GGATZAAGACA	CTCGCAACCA	GTTCATTCAC	CTTCTCATAC
1321	ATCGCCCAAG A	ATAA (SEO	ID NO: 8)			

						•
1	ATGTCCAAAA	AGCGCGTCCG	GGTGGATGAT	GACTTCGACC	CCGTCTACCC	CTACGATGCA
61	GACAACGCAC	CGACCGTGCC	CTTCATCAAC	CCCCCCTTCG	TCTCTTCAGA	TGGATTCCAA
121	GAGAAGCCCC	TGGGGGTGCT	GTCCCTGCGA	CTGGCCGACC	CCGTCACCAC	CZAAGAACGGG
181	GAAATCACCC	TCAAGCTGGG	AGAGGGGGTG	GACCTCGACT	CCTCGGGAAA	ACTCATCTCC
241	AACACGGCCA	CCAAGGCCGC	CGCCCCTCTC	AGTTTTTCCA	ACAACACCAT	TTCCCTTAAC
301	ATGGATACCC	CTTTTTACAA	CAATAATGGA	AAGTTAGGCA	TGAAAGTCAC	TGCTCCACTG
361	AAGATACTCG	ACACAGACTT	GCTAAAACA	CTTGTTGTAG	CTTATGGACA	AGGTTTAGGA
421	ACAAACACCA	${\tt CTGGTGCCCT}$	TGTTGCCCAA	CTAGCAGCCC	CACTTGCTTT	TGATAGCAAT
481	AGCAAAATTG	CCCTTAATTT	AGGCAATGGA	CCATTGAAAG	TGGATGCAAA	TAGACTGAAC
541	ATCAATTGCA	${\tt ATAGAGGACT}$	CTATGTTACT	ACCACAAAAG	ATGCACTGGA	AACCAACATA
601	AGTTGGGCTA	ATGCTATGAC	ATTTA TAGGA	AATGCCATGG	GTGTCAATAT	TGATACACAA
661	AAAGGCTTGC	AATTTGGCAC	CACTAGTACC	GTCGCAGATG	TTAAAAACGC	TTACCCCATA
721	CAAGTCAAAC	TGGGAGCTGG	TCTCACATTT	GACAGCACAG	GTGCAATTGT	CGCTTGGAAC
781	AAAGAAGATG	ACAAACTTAC	ACTGTGGACC	ACAGCCGATC	CATCTCCAAA	CTGTCACATA
841	TATTCTGACA	AGGATGCTAA	GCTTA CACTC	TGCTTGACAA	AGTGTGGCAG	TCAGATACTG
901	GGCACTGTTT	CTCTCATAGC	TGTTGATACT	GGTAGCTTAA	ATCCAATAAC	AGGACAAGTA
961	ACCACTGCTC	TTGTTTCACT	TAAATTCGAT	GCCAATGGAG	TTTTGCAAAC	CAGTTCAACA
1021	TTGGACAAAG	AATATTGGAA	TTTTAGAAAA	GGAGATGTGA	CACCTGCTGA	GCCATATACT
1081	AATGCTATAG	GTTTCATGCC	CAATC TAAAG	GCATACCCTA	AAAACACAAG	TGGAGCTGCA
1141	AAAAGTCACA	TTGTTGGGAA	AGTGT ACCTA	CATGGGGATA	CAGACAAACC	ACTGGACCTG
1201	ATTATTACTT	TCAATGAAAC	AAGTG ATGAA	TCTTGCACTT	ACTGTATTAA	CTTTCAATGG
1261	AAATGGGATA	GTACTAAGTA	CACAGGTGAA	ACACTTGCTA	CAAGCTCCTT	CACCTTCTCC
1321	TACATTGCCC	AAGAATGA (SEQ ID NO:	9)		

FIG. 13

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GACAACGCAC GAGAAGCCCC	CGACCGTGCC	CTTCATCAAC	CCCCCCTTCG		
	macaaamamm		CCCCCTTCG	TCTCTTCAGA	TGGATTCCAA
~	TAGGGGTGTT	GTCCCTGCGA	CTGGCCGACC	CCGTCACCAC	CAAGAACGGG
GAAATCACCC	TCAAGCTGGG	AGAGG GGGTG	GACCTCGACT	CCTCGGGAAA	ACTCATCTCC
AACACGGCCA	CCAAGGCCGC	TGCCCCCTCTC	AGTTTTTCCA	ACAACACCAT	TTCCCTTAAC
ATGGATCACC	CCTTTTACAC	TAAAG ATGGA	AAATTAGCCT	TACAAGTTTC	TCCACCATTA
AATATACTGA	GAACAAGCAT	TCTAA ACACA	CTAGCTTTAG	GTTTTGGATC	A GGTTTAGGA
CTCCGTGGCT	CTGCCTTGGC	AGTAC AGTTA	GTCTCTCCAC	TTACATTTGA	TACTGATGGA
AACATAAAGC	TTACCTTAGA	CAGAG GTTTG	CATGTTACAA	CAGGAGATGC	ZATTGAAAGC
AACATAAGCT	GGGCTAAAGG	TTTAA_AATTT	GAAGATGGAG	CCATAGCAAC	CAACATTGGA
AATGGGTTAG	AGTTTGGAAG	CAGTA_GTACA	GAAACAGGTG	TCGATGATGC	TTACCCAATC
CAAGTTAAAC	TTGGATCTGG	$CCTTA_GCTTT$	GACAGTACAG	GAGCCATAAT	GGCTGGTAAC
AAAGAAGACG	ATAAACTCAC	TTTGT GGACA	ACACCTGATC	CATCACCAAA	CTGTCAAATA
CTCGCAGAAA	ATGATGCAAA	ACTAA_CACTT	TGCTTGACTA	AATGTGGTAG	TCAAATACTG
GCCACTGTGT	CAGTCTTAGT	TGTAG GAAGT	GGAGACCTAA	ACCCCATTAC	TGGCACCGTA
AGCAGTGCTC	AGGTGTTTCT	ACGTT TTGAT	GCAAACGGTG	TTCTTTTAAC	AGAACATTCT
ACACTAAAAA	AATACTGGGG	GTATA_GGCAG	GGAGATAGCA	TAGATGGCAC	TCCATATGCC
AATGCTGTAG	GATTCATGCC	CAATT TAAAA	GCTTATCCAA	AGTCACAAAG	TTCTACTACT
AAAAATAATA	TAGTAGGGCA	AGTAT_ACATG	AATGGAGATG	TTTCAAAACC	TATGCTTCTC
ACTATAACCC	TCAATGGTAC	TGATG_ACAGC	AACAGTACAT	ATTCAATGTC	ATTTTCATAC
ACCTGGACTA	ATGGAAGCTA	TGTTG GAGCA	ACATTTGGAG	CTAACTCTTA	TACCTTCTCC
TACATCGCCC	AAGAATGA (SEQ ID NO:	10)		
	GAAATCACCC AACACGGCCA ATGGATCACC AATATACTGA CTCCGTGGCT AACATAAAGC AACATAAAGCT AATGGGTTAG CAAGTTAAAC AAAGAAGACG CTCGCAGAAA GCCACTGTGT AGCAGTGCTC ACACTAAAAA AATGCTGTAG AAAAATAATA ACTATAACCC ACCTGGACTA	GAAATCACCC TCAAGCTGGG AACACGGCCA CCAAGGCCGC ATGGATCACC CCTTTTACAC AATATACTGA GAACAAGCAT CTCCGTGGCT CTGCCTTAGA AACATAAAGC TTACCTTAGA AACATAAAGCT GGGCTAAAGG AATGGGTTAG AGTTTGGAAG CAAGTTAAAC TTGGATCTGG AAAGAAGACG ATAAACTCAC CTCGCAGAAA ATGATGCAAA GCCACTGTGT CAGTCTTAGT AGCAGTGCTC AGGTGTTTCT ACACTAAAAA AATACTGGGG AATGCTGTAG GATTCATGCC AAAAATAATA TAGTAGGGCA ACTATAACCC TCAATGGTAC ACCTGGACTA ATGGAAGCTA	GAAATCACCC TCAAGCTGGG AGAGGGGTG AACACGGCCA CCAAGGCCGC TGCCCCTCTC ATGGATCACC CCTTTTACAC TAAAGATGGA AATATACTGA GAACAAGCAT TCTAAACACA CTCCGTGGCT CTGCCTTGGC AGTACAGTTA AACATAAAGC TTACCTTAGA CAGAGGTTTG AACATAAAGCT GGGCTAAAGG TTTAAAATTT AATGGGTTAG AGTTTGGAAG CAGTACTACA CAAGTTAAAC TTGGATCTGG CCTTAAGCTTT AAAGAAGACG ATAAACTCAC TTTGT GGACA CTCGCAGAAA ATGATGCAAA ACTAACACTT GCCACTGTT CAGTCTTAGT TGTAGAGAGT AGCAGTGCTC AGGTGTTTCT ACGTTTTGAT ACACTAAAAA AATACTGGGG GTATAAGCAG AATGCTGTAG GATTCATGCC CAATTTAAAA AAAAATAATA TAGTAGGGCA AGTATACAGC ACCTGGACTA ATGGAAGCT TGATGACAGC ACCTGGACTA ATGGAAGCT TGATGACAGC	GAAATCACCC TCAAGCTGGG AGAGGGGGTG GACCTCGACT AACACGGCCA CCAAGGCCGC TGCCCCTCTC AGTTTTCCA ATGGATCACC CCTTTTACAC TAAAGATGGA AAATTAGCCT AATATACTGA GAACAAGCAT TCTAAACACA CTAGCTTTAG CTCCGTGGCT CTGCCTTGGC AGTACAGTTA GTCTCCAC AACATAAAGC TTACCTTAGA CAGAGGTTTG CATGTTACAA AACATAAGCT GGGCTAAAGG TTTAAAATTT GAAGATGGAG AATGGGTTAG AGTTTGGAAG CAGTACATACAG CAAGTTAAAC TTGGATCTGG CCTTAGCTTT GACAGTACAG CAAGTAAAC TTGGATCTGG CCTTAGCTTT GACAGTACAG CAAGAAGACG ATAAACTCAC TTTGTGACA ACACCTGATC CTCGCAGAAA ATGATGCAAA ACTAACACTT TGCTTGACTA GCCACTGTGT CAGTCTTAGT TGTAG-GAAGT GGAGACCTAA AGCAGTGCTC AGGTGTTCT ACGTTTTGAT GCAAACGGTG ACACTAAAAA AATACTGGGG GTATAAGCCA GGAGATAGCA AATGCTGTAG GATTCATGCC CAATTTAAAA GCTTATCCAA AAAAATAATA TAGTAGGGCA AGTATACATG AACAGTACAT ACCTGGACTA ATGGAAGCTA TGTTG-GAGCA ACACTTACAA ACTATAACCC TCAATGGTAC TGATG-ACAGC AACAGTACAT ACCTGGACTA ATGGAAGCTA TGTTG-GAGCA ACACTTTGGAG	GAAATCACCC TCAAGCTGGG AGAGGGGGTG GACCTCGACT CCTCGGGAAA AACACGGCCA CCAAGGCCGC TGCCCCTCTC AGTTTTTCCA ACAACACCAT ATGGATCACC CCTTTTACAC TAAAGATGGA AAATTAGCCT TACAAGTTTC AATATACTGA GAACAAGCAT TCTAAACACA CTAGCTTTAG GTTTTGGATC CTCCGTGGCT CTGCCTTGGC AGTACAGTTA GTCTCCAC TTACATTTGA AACATAAAGC TTACCTTAGA CAGAGGTTTG CATGTTACAA CAGGAGATGC AACATAAAGC GGGCTAAAGG TTTAAAATTT GAAGATGGAG CCATAGCAAC AATGGGTTAG AGTTTGGAAG CAGTAGTACA GAAACAGGTG TCGATGATGC CAAGTTAAAC TTGGATCTGG CCTTAGCTTT GACAGTACAG GAGCCATAAT AAAGAAGACG ATAAACTCAC TTTGTGGACA ACACCTGATC CATCACCAAA CTCGCAGAAA ATGATGCAAA ACTAACACTT TGCTTGACTA AATGTGGTAG GCCACTGTGT CAGTCTTAGT TGTAG-GAAGT GGAGACCTAA ACCCCATTAC AGCAGTGCTC AGGTGTTTCT ACGTTTTGAT GCAAACGGTG TTCTTTTAAC ACACTAAAAA AATACTGGG GTATA-GGCAG GGAGATAGCA TAGATGGCAC AATGCTGTAG GATTCATGC CAATT-TAAAA GCTTATCCAA AGTCACAAAG AAAAATAATA TAGTAGGGCA AGTAT-ACATG AATGGAGATG TTTCAAAACC ACTATAACCC TCAATGGTAC TGATG-ACAGC AACAGTACAT TTTCAAAACC ACTATAACCC TCAATGGTAC TGATG-ACAGC AACAGTACAT ATTCAATGTC ACCTGGACTA ATGGAAGCTA TGTTG-GAGCA ACCACTACAT ATTCAATGTC ACCTGGACTA ATGGAAGCTA TGTTG-GAGCA ACCCTGTTAC ACCTGGACTA ATGGAGACTA ATTCAATGTC ACCTGGACTA ATGGAAGCTA TTTCAAAACC ACTATAACCC TCAATGGTAC TGATG-ACAGC AACAGTACAT ATTCAATGTC ACCTGGACTA ATGGAAGCTA TGTTG-GAGCA ACCTGTTTAAAACC ACTATAACCC TCAATGGTAC TGATG-ACAGC AACAGTACAT ATTCAATGTC ACCTGGACTA ATGGAAGCTA TGTTG-GAGCA ACCTGTTTAAAACC ACTATAACCC TCAATGGTAC TGATG-ACAGC AACAGTACAT ATTCAATGTC ACCTGGACTA ATGGAAGCTA TGTTG-GAGCA ACCATTTGGAG CTAACTCTTA

1	ATGTCCAAAA	AGCGCGTCCG	GGTGG.ATGAT	GACTTCGACC	CCGTCTACCC	CTACGATGCA
61	GACAACGCAC	CGACCGTGCC	CTTCA TCAAC	CCCCCTTCG	,	TGGATTCCAA
. 121	GAGAAGCCCC	TGGGGGTGCT	GTCCC*TGCGA	CTGGCCGACC	CCGTCACCAC	CAAGAACGGG
181	GAAATCACCC	TCAAGCTGGG	AGAGGGGGTG	GACCTCGACT	CCTCGGGAAA	ACTCATCTCC
241	AACACGGCCA	CCAAGGCCGC	CGCCCCTCTC	AGTTTTTCCA	ACAACACCAT	TTCCCTTAAC
301	ATGGATCACC	CCTTTTACAC	TAAAGZATGGA	AAATTATCCT	TACAAGTTTC	TCCACCATTA
361	AATATACTGA	GAACAAGCAT	TCTAAZACACA	CTAGCTTTAG	GTTTTGGATC	AGGTTTAGGA
421	CTCCGTGGCT	CTGCCTTGGC	AGTAC AGTTA	GTCTCTCCAC	TTACATTTGA	TACTGATGGA
481	AACATAAAGC	TTACCTTAGA	CAGAGGTTTG	CATGTTACAA	CAGGAGATGC	A.ATTGAAAGC
541	AACATAAGCT	GGGCTAAAGG	TTTAAZAATTT	GAAGATGGAG	CCATAGCAAC	CAACATTGGA
601	AATGGGTTAG	AGTTTGGAAG	CAGTAGTACA	GAAACAGGTG	TTGATGATGC	TTACCCAATC
661	CAAGTTAAAC	TTGGATCTGG	CCTTAGCTTT	GACAGTACAG	GAGCCATAAT	GGCTGGTAAC
721	AAAGAAGACG	ATAAACTCAC	TTTGTGGACA	ACACCTGATC	CATCGCCAAA	C TGTCAAATA
781	CTCGCAGAAA	ATGATGCAAA	ACTAACACTT	TGCTTGACTA	AATGTGGTAG	TCAAATACTG
841	GCCACTGTGT	CAGTCTTAGT	TGTAGGAAGT	GGAAACCTAA	ACCCCATTAC	TGGCACCGTA
901	AGCAGTGCTC	AGGTGTTTCT	ACGTTTTGAT	GCAAACGGTG	TTCTTTTAAC	AGAACATTCT
961	ACACTAAAAA	AATACTGGGG	GTATAGGCAG	GGAGATAGCA	TAGATGGCAC	TCCATATACC
1021	AATGCTGTAG	GATTCATGCC	CAATTTAAAA	GCTTATCCAA	AGTCACAAAG	TTCTACTACT
1081	AAAAATAATA	TAGTAGGGCA	AGTATACATG	AATGGAGATG	TTTCAAAACC	T.ATGCTTCTC
1141	ACTATAACCC	TCAATGGTAC	TGATGACAGC	AACAGTACAT	ATTCAATGTC	A TTTTCATAC
1201	ACCTGGACTA	ATGGAAGCTA	TGTTGGAGCA	ACATTTGGGG	CTAACTCTTA	TACCTTCTCA
1261	TACATCGCCC	AAGAATGA (SEQ ID NO:	11)	•	

FIG. 15

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1	ATGAAGCGCA	CCAAAACGTC	TGACGAGAGC	TTCAACCCCG	TGTACCCCTA	TGACACGGAA
61	AACGGTCCTC	CCTCCGTCCC	TTTCCTCACC	CCTCCCTTCG	TGTCTCCCGA	TGGATTCCAA
121	GAGAGCCCCC	CCGGGGTCCT	GTCTCTGAAC	CTGGCCGAGC	CCCTGGTCAC	TTCCCCACGGC
181	ATGCTCGCCC	TGAAAATGGG	AAGTGGCCTC	TCCCTGGACG	ACGCCGGCAA	CCTCACCTCT
241	CAAGATGTCA	CCACCACTAC	CCCTCCCCTG	AAAAAAACCA	AGACCAACCT	CAGCCTAGAA
301	ACCTCAGCCC	CCCTGACTGT	GAGCACCTCA	GGCGCCCTCA	CCCTAGCAGC	CGCCGTTCCC
361	CTGGCGGTGG	CCGGCACCTC	CCTCACCATG	CAATCAGAGG	CCCCCTGAC	AGTCCAAGAT
421	GCAAAACTCA	CCCTGGCCAC	CAAGGGCCCC	CTGACCGTGT	CTGAAGGCAA	ACTAGCCTTG
481	CAGACCTCGG	CCCCGCTGAC	GGCCGCTGAC	AGCAGCACCC	TCACAATCAG	CGCCACACCG
541	CCCCTTAGCA	CAAGCAATGG	CAGCTTGGGT	ATTGACATGC	AAGCCCCCAT	TTACACTACT
601	AACGGAAAAC	TGGGACTTAA	CTTTGGTGCT	CCCCTGCATG	TGGTAGACAG	CCTAAATGCA
661	CTGACTGTAG	TGACTGGCCA	AGGTCTTACG	ATAAACGGTA	CAGCCCTACA	AACTAGAGTC
721	TCAGGTGCCC	TCAACTATGA	CTCATCAGGA	AACCTAGAAT	TGAGAGCTGC	AGGGGGTATG
781	CGAGTTGATG	CAAATGGCAA	ACTTATCCTT	GACGTAGCTT	ACCCATTTGA	TGCTCAAAAC
841	AACCTCAGCC	TTAGACTTGG	ACAGGGACCC	CTGTTTGTTA	ACTCTGCCCA	CAACTTGGAT
901	GTTAACTACA	ACAGAGGCCT	CTACCTGTTC	ACATCTGGAA	ATACCAAAAA	GCTAGAAGTT
961	AATATCAAAA	CAGCCAAAGG	CCTCATTTAT	GATGACACTG	CTATAGCAAT	CAATCCAGGC
1021	GATGGGCTAG	AGTTTGGCTC	AGGCTCAGAT	ACAAATCCAT	TAAAAACTAA	ACTTGGATTG
1081	GGACTAGAGT	ATGACTCCAG	CAGAGCCATA	ATTGCTAAGC	TGGGAACCGG	CCTAAGCTTT
1141	GACAACACAG	GTGCCATCAC	AGTGGGCAAC	AAAAATGATG	ACAAGCTTAC	CTTGTGGACC
1201	ACACCAGACC	CCTCTCCCAA	CTGTAGAATT	TATTCAGAAA	AAGATGCTAA	ATTTACACTA
1261	GTTTTAACTA	AATGCGGCAG	TCAGGTGTTG	GCCAGCGTTT	CTGTTTTATC	TGTALAAAGGC
1321	AGCCTTGCGC	CCATCAGTGG	CACAGTAACT	AGCGCTCAGA	TTATTCTCAG	ATTTGATGAA
1381	AATGGAGTTC	TACTAAGCAA	TTCTTCTCTT	GACCCCCAAT	ACTGGAACTA	CAGAAAAGGT
1441	GACCTTACAG	AGGGCACTGC	ATATACCAAC	GCAGTGGGAT	TTATGCCCAA	CCTCACAGCA
1501	TACCCAAAAA	CACAGAGTCA	AACTGCTAAA	AGCAACATTG	TAAGCCAGGT	TTAC TTGAAT
1561	GGGGACAAAT	CCAAACCCAT	GATCCTCACC	ATTACCCTCA	ATGGAACTAA	TGAAACAGGG
1621	GATGCTACAG	${\tt TTAGCACTTA}$	${\tt CTCCATGTCA}$	${\tt TTCTCATGGA}$	ATTGGAATGG	AAGTAATTAC
1681	ATTAATGAAA	CGTTCCAAAC	CAACTCTTTC	ACCTTCTCCT	ACATCGCCCA	AGAA TAA
(SEO	ID NO: 12)					

1	ATGTCCAAAA	AGCGCGTCCG	GGTGGATGAT	GACTTCGACC	CCGTCTACCC	CTAC GATGCA
61	GACAACGCAC	CGACCGTGCC	CTTCATCAAC	CCCCCTTCG	TCTCTTCAGA	TGGATTCCAA
121	GAGAAGCCCC	TGGGGGTGCT	GTCCCTGCGA	CTGGCTGACC	CCGTCACCAC	CAAGAACGGG
181	GAAATCACCC	TCAAGCTGGG	AGAGGGGGTG	GACCTCGACT	CCTCGGGAAA	ACTCATCTCC
241	AACACGGCCA	CCAAGGCCGC	CGCCCCTCTC	AGTTTTTCCA	ACAACACCAT	TTCC CTTAAC
301	ATGGATACCC	CTTTTTACAC	CAAAGATGGA	AAATTAACCA	TGCAGGTCAC	TGCACCACTA
361	AAGTTAGCAA	ACACAGCCAT	ATTGAACACA	CTAGCTATGG	CATATGGAAA	TGGA TTAGGT
421	CTAAGCAACA	ACGCTCTTAC	CGTTCAGTTA	CAATCTCCAC	TCACCTTTAA	CAACAGCAAG
481	GTTGCAATCA	ACCTGGGAAA	TGGACCACTA	AATGTAACAT	CAAACAGACT	TAGCATTAAT
541	TGCAAGAGGG	GTGTCTATGT	CACCACCACA	GGAGATGCAA	TTGAAACCAA	CATA_AGTTGG
601	TCAAATGCTA	TTAAATTTAT	AGGAAATGCC	ATGGGTGTCA	ACATTGATAC	AAAC AAAGGC
661	TTGCAATTTG	GCACCACCAG	CACTGTCACA	GATGTGACCA	ATGCTTTCCC	CATA_CAAGTC
721	AAACTTGGGG	CTGGTCTTGC	ATTTGATAGC	ACTGGAGCTA	TTGTTGCATG	GAAC AAAGAG
781	GATGACAGTC	TCACTTTGTG	GACTACACCA	GATCCATCTC	CAAATTGCAA	GATA GCATCT
841	GACAAAGATG	CTAAACTCAC	ACTTTGCTTG	ACAAAATGTG	GTAGTCAGAT	ACTGGGCACT
901	GTCTCCTTGT	TAGCTGTGAG	TGGCAGTTTA	GCTCCTATCA	CTGGAGCTGT	GAGC ACTGCA
961	CTTGTATCAC	TTAAATTCGA	TGCCAATGGA	GCACTCTTGG	AAAAATCAAC	CCTA_AACAGA
1021	GAATATTGGA	ACTATAGACA	${\tt AGGAGATCTT}$	ATTCCAGGTA	CGCCATATAC	TCAC GCAGTA
1081	GGTTTCATGC	CCAACAAGAA	AGCCTACCCT	AAAAACACAA	CTGCAGCTTC	CAAA_AGCCAC
1141	ATTGTGGGAG	AAGTCTATCT	AGACGGAGAT	GCAGATAAGC	CCCTATCTCT	CATA_ATCACT
1201	TTTAATGAAA	CTGATGATGA	ATCATGTGAC	TATTGCATGA	ACTTTCAATG	GAAA TGGGGT
1261	GCTGATCAAT	ACAAGGACAA	AACACTCGCT	ACCAGCTCCT	TCACCTTCTC	CTACATTGCC
1321	CAAGAATGA	(SEQ ID NO:	: 13)			

1	ATGAAGCGCA	CCAAAACGTC	TGACGAGAGC	TTCAAC CCCG	TGTACCCCTA	TGACACGGAA
61	AGCGGCCCTC	CCTCCGTCCC	TTTCCTCACC	CCTCCC TTCG	TGTCTCCCGA	TGGATTCCAA
121	GAAAGCCCCC	CCGGGGTCCT	GTCTCTGAAC	CTGGCC GAGC	CCCTGGTCAC	TTCCCACGGC
181	ATGCTTGCCC	TGAAAATGGG	AAGTGGCCTC	TCCCTG-GACG	ACGCTGGCAA	CCTTACCTCT
241	CAAGATATTA	CCTCCACTAC	CCCTCCCCTC	AAAAAA_ACCA	AGACCAACCT	CAGCCTAGA
301	ACCTCATCCC	CCCTAACTGT	AAGCACCTCA	GGCGCC CTCA	CCGTAGCAGC	CGCCGCTCCC
361	CTGGCGGTGG	CCGGCACCTC	CCTCACCATG	CAATCA_GAGG	CCCCCTGGC	AGTACAGGA_T
421	GCAAAACTCA	CCCTGGCCAC	CAAAGGCCCC	CTGACC GTGT	CTGAAGGCAA	ACTGGCCTTG
481	CAAACATCGG	CCCCGCTGAC	GGCCGCTGAC	AGCAGC ACCC	TCACCGTTAG	CTCCACTCCA
541	CCAATTAGTG	TAAGCAGTGG	AAGTTTGGGC	TTGGAC ATGG	AAGACCCCAT	GTATACTCA_C
601	GATGGAAAAC	TGGGAATAAG	AATTGGGGGT	CCACTA_AGAG	TAGTAGACAG	CTTGCACACA
661	CTCACTGTAG	TTACCGGAAA	TGGACTAACT	GTAGAT AACA	ATGCCCTCCA	AACTAGAGTT
721	ACGGGCGCCC	TAGGTTATGA	CACATCAGGA	AATCTA_CAAC	TGAGAGCCGC	AGGGGGTATG
781	CGAATTGATG	CAAATGGCCA	ACTTATCCTT	GATGTG GCAT	ACCCATTTGA	TGCTCAAAAC
841	AATCTCAGCC	TTAGACTTGG	TCAGGGACCC	CTGTAT GTAA	ATACAGACCA	CAACCTGGAT
901	TTAAATTGCA	ACAGAGGTCT	AACCACAACT	ACCACC.AACA	ACACAAAAAA	ACTTGAGAC T
961	AAAATTAGCT	CAGGCTTAGA	CTATGACACC	AATGGT GCTG	TCATTATTAA	ACTTGGCACT
1021	GGTCTAAGCT	TCGACAACAC	AGGCGCCCTA	ACTGTG GGAA	ACACTGGTGA	TGATAAACTG
1081	ACTCTGTGGA	CGACCCCAGA	CCCATCTCCA	AATTGC AGAA	TTCACTCAGA	CAAAGACTGC
1141	AAGTTTACTC	TCGTCCTAAC	TAAGTGTGGA	AGCCAA_ATCC	TGGCCTCTGT	CGCCGCCCTA
1201	GCGGTATCAG	GAAATCTGGC	TTCGATAACA	GGCACC GTTG	CCAGCGTTAC	CATCTTTCTT
1261	AGATTTGATC	AGAATGGAGT	GCTTATGGAA	AACTCC TCAC	TAGACAAGCA	GTACTGGAALC
1321	TTCAGAAATG	GCAATTCAAC	TAATGCTGCC	CCCTAC_ACCA	ACGCAGTTGG	GTTCATGCCA
1381	AACCTCGCAG	CGTACCCCAA		CAGACT GCTA	AAAACAACAT	TGTAAGTCALG
1441	GTTTACTTGA	ATGGAGACAA	ATCCAAACCC	ATGACC CTTA	CCATCACCCT	CAATGGAACT
1501		GTGAAACTAG	TCAGGTGAGT	CACTAC TCCA		ATGGGCTTGGG
1561	GAAAGCGGGC	AATATGCCAC	TGAAACCTTT	GCCACC:AACT	CCTTCACCTT	TTCTTACATT
1621	GCTGAACAAT	AA (SEQ II	NO: 14)			
				_		
			FIG. 18	3		

1	ATGAAGCGCA	CCAAAACGTC	TGACAAGAGC	TTCAACCCCG	TGTACCCCTA	TGACACGGAA
61	AACGGTCCTC	CCTCCGTCCC	TTTCCTCACC	CCTCCCTTCG	TGTCTCCCGA	TGGATTCCAA
121	GAGAGCCCCC	CCGGGGTCCT	GTCTCTGAAC	CTGGCCGAGC	CCCTGGTCAC	TTCCCACGGC
181	ATGCTCGCCC	TGAAAATGGG	AAGTGGCCTC	TCCCTGGACG	ACGCCGGCAA	CCTCACCTCT
241	CAAGATGTCA	CCACCACTAC	CCCTCCCCTG	AAAAAAACCA	AGACCAACCT	CAGCCTAGAA
301	ACCTCAGCCC	CCCTGACTGT	GAGCACCTCA	GGCGCCCTCA	CCCTAGCAGC	CGCCGCCCC
361	CTGGCGGTGG	CCGGCACCTC	CCTCACCATG	CAATCAGAGG	CCCCCTGAC	AGTCCAAGAT
421	GCAAAACTCA	CCCTGGCCAC	CAAGGGCCCC	CTGACCGTGT	CTGAAGGCAA	ACTGGCCTTG
481	CAGACCTCGG	CCCCGCTGAC	GGCCGCTGAC	AGCAGCACCC	TCACCGTTAG	CGCCACACCA
541	CCCATCAGTG	TAAGCAGTGG	AAGTTTGGGC	TTAGACATGG	AAGACCCAAT	GTATACTCAT
601	GATGGAAAAC	TGGGAATAAG	AATTGGGGGC	CCACTGAGAG	TAGTAGACAG	CCTGCACACA
661	CTGACTGTAG	TTACCGGAAA	TGGAATAGCT	GTAGATAACA	ATGCCCTCCA	AACTAGAGTT
721	ACGGGCGCCC	TGGGTTATGA	CACATCAGGA	AACCTACAAC	TGAGAGCCGC	GGGGGGTATG
781	CGAATTGATG	CAAATGGCCA	ACTTATCCTT	GATGTGGCAT	ACCCATTTGA	TGCTCAAAAC
841	AATCTCAGCC	TTAGACTTGG	TCAGGGACCC	CTGTATGTAA	ACACAGACCA	CAACCTAGAT
901	TTGAATTGCA	ACAGAGGTCT	GACCACAACT	ACCACCAACA	ACACAAAAAA	ACTTGAAACT
961	AAAATTGGCT	CAGGCTTAGA	CTATGATACC	AATGGTGCTG	TTATTATTAA	ACTTGGCACT
1021	GGTGTCAGCT	TTGACAGCAC	AGGTGCCCTA	AGTGTGGGAA	ACACTGGCGA	TGATAAACTG
1081	ACTCTGTGGA	CAACCCCAGA	CCCATCTCCA	AATTGCAGAA	TTCACTCAGA	CAAAGACTGC
1141	AAGTTTACTC	TAGTCCTAAC	TAAGTGTGGA	AGTCAAATCC	TGGCTTCTGT	CGCCGCCCTA
1201	GCGGTGTCAG	GAAATCTGGC	TTCAATAACA	GGCACCGTTT	CCAGCGTTAC	CATCTTTCTC
1261	AGATTTGATC	AGAATGGAGT	GCTTATGGAA	AACTCCTCGC	TAGACAAGCA	GTACTGGAAC
1321	TTCAGAAATG	GTAATTCAAC	CAATGCCACC	CCCTACACCA	ATGCAGTTGG	GTTTATGCCA
1381	AACCTCGCAG	CATACCCCAA	GACACAGAGC	CAGACTGCAA	AAAACAACAT	TGTAAGTCAG
1441	GTTTACTTGA	ATGGGGACAA	ATCCAAACCC	ATGACCCTTA	CCATTACCCT	CAATGGAACT
1501	AATGAATCCA	GTGAAACTAG	CCAGGTGAGT	CACTACTCCA	TGTCATTTAC	GTGGGCTTGG
1561	GAGAGTGGGC	AATATGCCAC	CGAAACCTTT.	GCCACCAATT	${\tt CCTTTACCTT}$	CTCTTACATT
1621	GCTGAACAAT	AA (SEQ II	NO: 15)		-	

FIG. 19

	•••				0,							(65	5/°	1 C	1												
100		:			•	LKKTKTNLSL				:		:	:	LKKTKTNLSL	:	LKKTKTNLSL	LKKTKTNLSL	LKKTKTNLSL		LKKTKTNLSL			LKKTKTNLSL		:			
	EENIN	SNTAT	SNTAT	SNTAT	SNTAT	SQDITTASPP	SNTAT	SNTAT	SKNAT	SNTAT	EENIS	SNTAT	SNTAT	SQDVTTTPP	SNTAT	SQDITSTIPP	SQDVTTTTPP	SQDITTASPP	EENIT	SQDVTTTPP	SNTAT	EENIT	SQDITTASPP	EENID	SNTAT	SNTAT	SNTAT	SKNAT
	LKVNSTDGFL	VDLDSSGKLI	VDLDSSGKLI	VDLDSSGKLI	VDLDSSGKLI	LSLDDAGNLT	VDLDSSGKLI	VDLDDSGKLI	VDLDDSGKLI	VDLDSSGKLI	LSVDDTDGSL	VDLDSSGKLI	VDLDSSGKLI	LSLDDAGNLT	VDLDSSGKLI	LSLDDAGNLT	LSLDDAGNLT	LSLDDAGNLT	LTVDNIDGSL	LSLDDAGNLT	VDLDDSGKLI	LTVDTIDGSL	LSLDDAGNLT	LKVDSTDGSL	VDLDSSGKLI	VDLDSSGKLI	VDLDSSGKLI	VDLDDSGKLI
	GALDIKVGGG	GEITLKLGEG	GEITLKLGDG	GEITLKLGEG	GELTLKLGEG	GMLALKMGSG	GEITLKLGEG	GELTLKLGDG	GAVTLKLGEG	GEITLKLGEG	GSLQLKVGGG	GEITLKLGEG	GEITLKLGEG	GMLALKMGSG	GEITLKLGEG	GMLALKMGSG	GMLALKMGSG	GMLALKMGSG	GPLQLKVGSS	GMLALKMGSG	GEITLKLGDG	GPLQLKVGSS	GMLALKMGSG	GALDIKVGRG	GEITLKLGEG	GEITLKLGEG	GEITLKLGEG	GAVTLKLGEG
	NĊVAPLTTAN	RLADPVTTKN	RLADPVTTKN	RLADPVTTKN	RLADPVTTKN	NLAEPLVTSH	RLADPVTTKN	RLADPVTTKN	RLADPVTTKN	RLADPVTTKN	KCLSPLTTG	RLADPVTTKN	RLADPVTTKN	NLAEPLVTSH	RLADPVTTKN	NLAEPLVTSH	NLAEPLVTSH	NLAEPLVTSH	KCVNPLTTAS	NLAEPLVTSH	RLADPVTTKN	KCVNPLTTAS	NLAEPLVTSH	KCVSPLTTTS	RLADPVTTKN	RLADPVTTKN	RLADPVTTKN	RLADPVTTKN
	TQSPDGVLTL	QEKPLGVLSL	QEKPLGVLSL	QEKPLGVLSL	QEKPLGVLSL	OESPPGVLSL	QEKPLGVLSL	QEKPLGVLSL	QEKPLGVLSL	QEKPLGVLSL	TOSPDGVLTL	QEKPLGVLSL	QEKPLGVLSL	QESPPGVLSL	QEKPLGVLSL	QESPPGVLSL	OESPPGVLSL	OESPPGVLSL	AQSPDGVLTL	QESPPGVLSL	QEKPLGVLSL	AQSPDGVLTL	QESPPGVLSL	TOSPDGVLTL	QEKPLGVLSL	QEKPLGVLSL	QEKPLGVLSL	QEKPLGVLSL
	NPGFISPNGF	NPPFVSSDGF	NPPFVSSDGF	NPPFVSSDGF	NPPFVSSDGF	TPPFVSPDGF	NPPFVSSDGF	NPPFVSSDGF	NPPFVSSDGF	NPPFVSSDGF	NPGFISSNGF	NPPFVSSDGF	NPPFVSSDGF	TPPFVSPDGF	NPPFVSSDGF	TPPFVSPDGF	TPPFVSPDGF	TPPFVSPDGF	NPGFISSNGF	TPPFVSPDGF	NPPFVSSDGF	NPGFISSNGF	TPPFVSPDGF	NPGFISPDGF	NPPFVSSDGF	NPPFVSSDGF	NPPFVSSDGF	NPPFVSSDGF
	EN. SSHPFI	DN.APTVPFI	DN.APTVPFI	DN.APTVPFI	DN.APTVPFI	ESGPPSVPFL	DN.APTVPFI	DN.APTVPFI	DN.APTVPFI	DN.APTVPFI	ES.SSOHPFI	DN.APTVPFI	DN.APTVPFI	ENGPPSVPFL	DN.APTVPFI	ESGPPSVPFL	ENGPPSVPFL	ESGPPSVPFL	ES. SSQHPFI	ENGPPSVPFL	DN.APTVPFI	ES.SSOHPFI	ESGPPSVPFL	ES. SSQHPFI	DN.APTVPFI	DN.APTVPFI	DN.APTVPFI	DN.APTVPFI
	FNPVYPYED.	DFDPVYPYDA	DFDPVYPYDA	DFDPVYPYDA	DFDPVYPYDA	. FNPVYPYDT	DFDPVYPYDA	DFDPVYPYDA	DFDPVYPYDA	DFDPVYPYDA	SFNPVYPYED	DFDPVYPYDA	DFDPVYPYDA	. FNPVYPYDT	DFDPVYPYDA	. FNPVYPYDT	. FNPVYPYDT	.FNPVYPYDT	SFNPVYPYED	. FNPVYPYDT	DFDPVYPYDA	SFNPVYPYED	. FNPVYPYDT	SFNPVYPYED	DFDPVYPYDA	DFDPVYPYDA	DFDPVYPYDA	DFDPVYPYDA
-	MAKRTRLSSS	MSKKRVRVDD	MSKKRVRVDD	MSKKRVRVDD	MSKKRVRVDD	MKRTKTSDES	MSKKRVRVDD	MSKKRVRVDD	MSKKRARVDD			MSKKRVRVDD	MSKKRVRVDD	MKRTKTSDES	MSKKRVRVDD	MKRTKTSDES	MKRTKTSDKS	MKRTKTSDES	MA.KRARLSS	MKRTKTSDES	MSKKRVRVDD	MA.KRARLSS	MKRTKTSDES	MA.KRARLSS	MSKKRVRVDD	MSKKRVRVDD		MSKKKAKVDD
		CN68	PAN5	PAN6	PAN7	CHAD3	CHAD4	CHAD5	CHAD6	CHAD7	CHAD8	CHAD9	CHAD10	CHAD11	CHAD16	CHAD17	CHAD19	CHAD20	CHAD22	CHAD24			CHAD31					CHAD82

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200		KAA APLSESNNTI SLNMDTBFYN	KAA AFLSISNN'I SLKI'AAPFYN KAA API'SFSNNTT SI'NMDTDI'YT	SGALTVAAAA PLAVAGTSIT MOSEAPLTVO DAKLTLATKG PLTVSEGKLA LOTSAPLTAA DSSTLTVSAT PPINVSSGSL GLDMEDPMYT			TKAT KAT		TIT APENKTSHSI		GALTHANIA DIALINACHET MOCKET MOCKET THE MOCKET THE STATE OF THE STATE	SCALLINAAAV FLAVAGISLI MOSEAFLIVŲ DAKLILAIKG FLIVSEGKLA LÕISAPLIAA DSSILTISAT PPLSTSNGSL GIDMQAPIYT	KAA APLSFSNNTI SLNMDTPFYT	SGALTVAAAA PLAVAGTSLT MQSEAPLAVQ DAKLTLATKG PLTVSEGKLA LQTSAPLTAA DSSTLTVSST PPISVSSGSL GLDMEDPMYT	SGALTLAAAA PLAVAGTSLT MOSEAPLTVQ DAKLTLATKG PLTVSEGKLA LQTSAPLTAA DSSTLTVSAT PPISVSSGSL GLDMEDPMYT	LIVST SGALTVAAAA PLAVAGISIT MOSEAPLIVQ DAKLTLATKG PLIVSEGKLA LQTSAPLTAA DSSTLIVSAT PPLSTSNGSL GIDMQAPIYT		SGALTLAAAA PLAVAGTSLT MQSEAPLTVQ DAKLTLATKG PLTVSEGKLA LQTSAPLTAA		APLIKINHSI	livli sgalivaaaa elavagisli museafilivu daklilaike elivseekla lotsapilaa dssilivsat ppistsnesi eidmoapiyt		····· ······ ····· ···· ···· ···· ···· ····	KAA APLSISNNTI SLKTAAPFYN		KAT APLSISNNTI SLNMDTPLYN
101				ETSSPLTVST			:				FTCADI, my/cm		• • • • • • • • • • • • • • • • • • • •	ETSPLTVST	ETSAPLTVST	ETSPLTVST		ETSAPLTVST		#07.8E #00.0ED	ELSSFLLVSI			:		
ξ	CV68	PAN5 PAN6	PAN7	CHAD3	CHAD4	CHADS	CHADO	CHAD!	CHAUS	OLU KITY	CHAD11	CIRCLE	Chable	CHADI7	CHADIS	CHADZO	CHAD22	CHAD24	CHAD26	CHAD30	CIEDOL	CHAD37	CHAD38	CHAD44	CHADOS	CHAD82

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400	VKLGKGLVFD SSSAIAMEN.	VKLGSGLSFD STGAIMAGNK	IKLGAGLTFD STGAIVAWNK	VKLGTGLSFD SAGALTAGNK	VKLGTGLTFD STGAIVAWNK	IKLGTGLSFD NTGALTVGNT	VKLGSGLSFD STGAIMAGNK	VKLGAGLTFD STGAIVAWNK	VKLGAGLTFD STGAIVAWNK	VKLGAGLTFD STGAIVAWNK	AKLGDGLTFN TGSICIDTDI	VKLGSGLSFD STGAIMAGNK	VKLGSGLSFD STGAIMAGNK	AKLGTGLSFD NTGALTVGNK	VKLGAGLAFD STGALVAWNK	IKLGTGLSFD NTGALTVGNT	IKLGTGVSFD STGALSVGNT	AKLGTGLSFD NTGAITVGNK	AKLGHGLVFD SSNAITIEN.	IKLGTGVSFD STGALSVGNT	VKLGAGLTFD STGAIVAWNK	AKLGHGLVFD SSNAITIEN.	AKLGTGLSFD NTGALTVGNK	VKLGDGLKFS SGSIYIDHDV	VKLGTGLTFD STGAIVAWNK	VKLGTGLSFD SAGALTAGNK	VKLGSGLSFD STGAIMAGNK	VKLGAGLTFD STGAIVAWNK
	VKLGK	VKLGS	IKLGA	VKLGT	VKLGT	IKLGT	VKLGS	VKLGA	VKLGA	VKLGA	AKLGD	VKLGS	VKLGS	AKLGT	VKLGA	IKLGT	IKLGT	AKLGT	AKLGH	IKLGT	VKLGA	AKLGH	AKLGT	VKLGD	VKLGT	VKLGT	VKLGS	VKLGA
	GLQTNEAKLC	TGVDDAYPIQ	ADVKNAYPIQ	LNFDANKALA	TDVTDAYPIQ	LDYDTNGAVI	TGVDDAYPIQ	TDVKNAFSLQ	TDVKNAFPLQ	ADVKNAYPIQ	GLETKNNQLC	TGVDDAYPIQ	TGVDDAYPIQ	LEYDSSRAII	TDVTNAFPIQ	LDYDTNGAVI	LDYDTNGAVI	LDYDSSRAII	GLITKDDTLC	LDYDTNGAVI	TDVKNAFPLQ	GLITKDDTLC	LDYDSSRAII	GLETKENKLY	TDVTDAYPIQ	LNFDANKAIA	TGVDDAYPIQ	TDVKNAFPLQ
	NHSIGLEWSD	T	$ m \Delta L$	TKIGAG	H	KISSG	3TTE	TE	TE	$^{\mathrm{TV}}$	Q	五L	TE	_	$VI \dots VI$	KISSG	KIGSG	NPLKTKLGLG	Q	KIGSG	TE	Q	NPLKTKLGLG	Q	T	VITKIGAG	TE	TE
	ITSPLTKS													GLEFGSGSDT			•	GLQFDSGSDT					GLQFDSGSDT					
					• • • • • • • • • • • • • • • • • • • •					:				DTAIAINPGD				DTALAINAGD			•		DTAIAINAGD					
				H .	• • • • • • • • • • • • • • • • • • • •					•				IKTAKGLIYD			•	IKTAKGLIYD	•		•	•	IKTAKGLIYD		•			
		SS			TS	TNNTKKLET.	SS	SS	. SS	TS		01			TS		TNNTKKLET.	SGNTKKLEVN		TNNTKKLET.	SS	•	SGNTKKLEVN		TS		SS	
		GNGLEFGS	DTQKGLQFGT	GNGLDYGS	GRGLEFGT	NCNRGLTTT	GNGLEFGS	DTKKGLQFGI	DTKKGLQFG1	DTQKGLQFG1	•	GNGLEFGS	GNGLEFGS	NYNRGLYLFT	DTNKGLQFGT	NCNRGLTTTT	NCNRGLTTTT	NYNRGLYLFT	•	YVNTDHNLDL NCNRGLTTTT	DTKKGLQFGT		FVNSAHNLDV NYNRGLYLFT	:	GRGLEFGT	GNGLDYGS	GNGLEFGS	DTKKGLQFGT
301	•	FEDGALATNI	FIGNAMGVNI	FDGNAIATYI	FEGNGIAANI	YINTDHNLDL	FEDGAIATNI	FIGNAIGVNI	FIGNAIGVNI	FIGNAMGVNI		FEDGAIATNI	FEDGAIATNI	FVNSAHNLDV	FIGNAMGVNI	YVNTDHNLDL	YVNTDHNLDL	FVNSAHNLDV		YVNTDHNLDL	FIGNAIGVNI	•	FVNSAHNLDV	:	FEGDAIAANI	FDGNAIATYI	FEDGAIATNI	FIGNAIGVNI
	CI	CV68	PAN5	PAN6	PAN7	CHAD3	CHAD4	CHAD5	CHAD6	CHAD7	CHAD8	CHAD9	CHAD10	CHAD11	CHAD16	CHAD17	CHAD19	CHAD20	CHAD22	CHAD24	CHAD26	CHAD30	CHAD31	CHAD37	CHAD38	CHAD44	CHAD63	CHAD82

FIG. 20D

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HKSG..QGTS NYRQ.GDLIP NFRK.GDVTP GYRQ.GDSID NYRQ.GDLIP NFRK. GDVTP NFRK. GDVTP GYRQ.GDSID NYRK. GDLTE NFRN. GNSTN NYRK, GDLTE NFRN. GNSTN NFKDNQNMAT NFKDNONMAT NFRN. GNSTN NFRN.GNSTN NFKDNONMAT S.STLDKEYW S.STLDKEYW N. SSLDPQYW K.STLNREYW N.SSLDKQYW N. SSLDPOYW K. STLNKEYW E. HSTLKKYW N. SSMVGDYW S. STLDKEYW N.SSLDRQYW E.HSTLKKYW K.STLNKEYW S. STLDKEYW DLSALKTELK E.HSTLKKYW E.HSTLKKYW N.SSLDKQYW YLSSLKS.NL N. SSLDKOYW YLSSLKS.NL ELSALKTDLK N. SSMVGDYW AFDNTGOLLT RFDQNGVLME RFDQNGVLME RFDANGVLLT KFDASGVLLS RFDANGVLLT KFDANGVLQA YFDAQGKLLP RFDENGVLLS KFDANGALLE RFDQNGVLME RFDENGVLLS KFNANGALLD AFDNTGQIIT RFDENGVLLS YFDNQGKVLT KFDANGVLQS RFDSDGVLMS RFDQNGVLME KFNANGALLD KFDANGVLQT RFDANGVLLT RFDANGVLLT RFDSDGVLMS KFDANGVLQA AFDNTGOIIT RFDANGVLLT KFDASGVLLS GTVSSAQVFL DTVKSALVFL GTVASVTIFL GTVSSAQVFL GAVRTALVSL GKVTTALVSL GOVTTALVSL GTVSSAQVFL NKQVTIDVNL GTVSSVTIFL GAVRTALVSL NKQVTIDVNL GTVTSAQIVL NTVSTALVSL GTVSSAQVFL NKOVTIDVNL GTVTTALVSL NTVSTALVSL ETSAQIIADI GTVSSAQVFL GTVTSAQIIL GAVSTALVSL GTVASVTIFL GTVSSVTIFL GTVTSAQIVL EKSAQITVDI DTVKSAIVFL GKVTTALVSL NN. GSLNPIT S. EYTNTLFK S. EYTNTLFK NN. GSLNPIT SE. YTNTLFK GS. GNLNPIT DT.GSLNPIT TVGSALNPIN S..GNLASIT GS.GNLNPIT S..GSLAPIT DT. GSLNPIT DT. GSLNPIT SD. AVNDLTT GS.GDLNPIT GS. GNLNPIT K..GSLAPIS S..GSLAPIT S..GNLASIT S..GNLASIT K..GSLAPIS S..GNLASIT S..GSLAPIT K..GSLAPIS SD. TVNKLTT TVGSALNPIN GS. GNLNPIT DT. GSLNPIT ILGTVSLIAV ILGTVAVAAV ILATVSVLVV ILGTVSLIAV ILGTVSLIAV ILGTVAVAAV ILGTVTVLAV ILATVSVLVV ILGTVSLIAV VLASVSVLSV ILGTVTVLAV ILASVAALAV ILGTVSLLAV VNAYVALVGA ILATVSVLVV VLASVSVLSV ILASVAALAV ILASVAALAV ILGTVSLLAV VLASVSVLSV ILATVSVLVV ILATVSVLVV ILGTVSLLAV ILASVAALAV INGYITLMGA INAYVSLMGD VNGYITLMGD INGYITIMGA TLVLVKNGGL TLCLTKCGSQ TLCLTKCGSQ TLCLTKCGSQ TLVLTKCGSQ TLCLTKCGSQ TLCLTKCGSQ TLCLTKCGSQ TLALVKSGAL TLCLTKCGSQ TLCLTKCGSQ TLVLTKCGSQ TLVLVKNGGL TLVLTKCGSQ TLCLTKCGSQ TLVLVKNGGL TLVLTKCGSQ TLILVKSGGL TLCLTKCGSQ TLCLTKCGSQ TLCLTKCGSQ TLCLTKCGSQ TLCLTKCGSQ TLCLTKCGSQ TLVLTKCGSQ TLVLTKCGSQ TLVLTKCGSQ SD...KDCKF SE...KDAKF SD...KDAKL SD...KDCKF SD...KDCKF SE...KDAKF SD...RDAKF AEN...DAKL SA...KDAKL SA...KDAKL SA...KDAKL SD...KDAKL SE...KDAKF EGEDSPDCKL DNGETNDSKL SE...KDAKL AE...NDAKL SE...KDAKL SD...RDAKF SE...KDAKL AE...NDAKL GTES.NDCKL AE...NDAKL AE...NDAKL EGEDSPDCKL SD...KDCKF SA...KDAKL EGEDSPDCKL AKPSANCVIK PDPSPNCQIL PDPSPNCQIL PDPSPNCQIL PDPSPNCRIH PDPSPNCQIL ADPSPNCHIY ATPDANCLVL PDPSPNCQIL PDPSPNCRIY PDPSPNCKIA PDPSPNCRIH PDPSPNCRIH PDPSPNCRIY AKPSANCVIK PDPSPNCRIH VNPSANCIIT PDPSPNCOLL ADPSPNCHIY PDPSPNCQLL ADPSPNCKIY ADPSPNCHIY ADPSPNCHIY AKPSANCVIK PDPSPNCRIY ADPSPNCKIY ADPSPNCHIY ADPSPNCHIY EDDKLTLWTT **DDDKLTLWTT** EDDKLTLWTT SDDKLTLWTT SDDKLTLWTT SDDKLTLWTT EDDKLTLWTT EDDKLTLWTT N...TLWTG EDDKLTLWTT NDDKLTLWTT EDDSLTLWTT GDDKLTLWTT GDDKLTLWTT NDDKLTLWTTNTLWTG GDDKLTLWTT EDDKLTLWTTNTLWTG NDDKLTLWTT N....TLWTG EDDKLTLWTT **ODDKLTIMTT** EDDKLTLWTT EDDKLTLWTT DDDKLTLWTT EDDKLTLWTT CHAD5 CHAD7 CHAD8 CHAD9 CHAD3 CHAD4 CHAD16 CHAD19 CHAD20 CHAD24 CHAD26 CHAD10 CHAD17 CHAD38 CHAD44 CHAD63 CHAD82 CHAD6 CHAD22 CHAD30 CHAD31 CHAD37 CHAD11

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009	TYATQSLN.E DYIYGECYYK STNGTLFPLK VTVTLNRRMS ASGMAY AMNFSWSLNA EEAPETTEVT LITSPFFFSYKSQSSTTK NNIVGQVYMN GDVSKPML LTITLNGTDD SNSTY SMSFSYTWTN GSYVGAT FGANSYTFSY	SHIVGKVYLH GDTGKPLD LIITFNETSD ESCTY CINFQWQWGA DQYKNET LAVSSFTFSY	KTQSKTPK NSIVSQVYLT GETTMPMT LTITFNGTDE KDTT.PVSTY SMTFTWQWTG DYKDKNIT FATNSFSFSY	KNTSAASK SHIVSQVYLN GDEAKPLM LIITFNETED ATCTY SITFQWKWDS TKYTGET LATSSFTFSY	KTQSQTAK NNIVSQVYLN GDKSKPMT LTITINGTNE SSETSQVSHY SMSFTWAWES GQYATET FAINSFTFSY	KSQSSTTK NNIVGQVYMN GDVSKPML LTITLNGTDD SNSTY SMSFSYTWTN GSYVGAT FGANSYTFSY	KNTTAASK SHIVGDVYLD GDADKPLS LIITFNETDD ETCDY CINFQWKWGA DQYKDKT LATSSFTFSY	KNTNAAAK SHIVGKVYLH GDESKPLD LIITFNETSD ESCTY CINFQWQWGT DQYKDET LAVSSFTFSY	.KNTSGAAK SHIVGKVYLH GDTDKPLD LIITFNETSD ESCTY CINFQWKWDS TKYTGET LATSSFTFSY	LRPNGGNG NYIYGTTYYR ARDETLYELK TSVMLNYKIT SGLCAY AMHFQWSWNS GTKPEDTPAT FIASPFVFSY	KSQSSTTK NNIVGQVYMN GDVSKPML LTITLNGTDD SNSTY SMSFSYTWTN GSYVGAT FGANSYTFSY	LITILNGTDD SNSTY SMSFSYTWTN GSYVGAT FGANSYTFSY	KTQSQTAK SNIVSQVYLN GDKSKPMI LTITLNGTNE TGD.ATVSTY SMSFSWNWNG SNYINET FQTNSFTFSY 🔼	KNTTAASK SHIVGEVYLD GDADKPLS LIITFNETDD ESCDY CMNFQWKWGA DQYKDKT LATSSFTFSY $oldoy$	KTQSQTAK NNIVSQVYLN GDKSKPMT LTITLNGTNE SSETSQVSHY SMSFTWAWES GQYATET FAINSFTFSY 🦰	KTQSQTAK NNIVSQVYLN GDKSKPMT LTITLNGTNE SSETSQVSHY SMSFTWAWES GQYATET FAINSFTFSY	KTQSQTAK SNIVSQVYLN GDKSKPMT LTITLNGTNE TGD.ATVSTY SMSFSWNWNG SNYINET FQTNSFTFSY	TYATQSIN.E DYIYGECYYK STNGTLFPLK VTVTLNRRMS ASGMAY AMNFSWSLNA EEAPETTEVT LITSPFFFSY	KTQSQTAK NNIVSQVYLN GDKSKPMI LTITLNGTNE SSETSQVSHY SMSFTWAWES GQYATET FAINSFTFSY	KNTTAASK SHIVGDVYLD GDADKPLS LIITFNETDD ETCDY CINFQWKWGA DQYKDKT LATSSFTFSY.	TYATQSLN.E DYIYGECYYK STNGTLFPLK VTVTLNRRMS ASGMAY AMNFSWSLNA EEAPETTEVT LITSPFFFSY	KTQSQTAK SNIVSQVYLN GDKSKPMT LTITLNGTNE TG.DATVSTY SMSFSWNWNG SNYINET FQTNSFTFSY	DYIYGITYYQ ATDGNLYELK TTITLNHSVI SSLCAY AMHISWSWDT VTEPETTPTT	SHIVSQVYLN GD. ETKPLM LIITFNETED ATCTY SITFQWKWDS TKYTGKT	IVSQVYLT GET. TMPMT LTITTENGTDE KDTT	NNIVGÇVIMN GDVSKFML LITTENGILD SNSII SMSFSIMIN GSIVGAL SHIVGKVYLH GDVSKFLD LITTENETSD ESCTY CINFQWRWGT DQYKDET	
	₽ .	KNT	KTQ	. KNT	· · KTQ	KSQ	. KNT	. KNT	. KNT	LRP	KSQ	KSQ	KTQ	KNT	KTQ	KTQ	KTQ	TYATO	KTQ	. KINI	TYATQ	KTQ		. KNT	OIM:	XCA:	
501	GTIT.SAKGF MPSTTAYPFI GTPYTNAVGF MPNLKAYP	AEAYTNAIGF MPNLKAYP	SVAYTNAVGF MPNIGAYP	AEPYTNAIGF MPNIKAYP	AAPYTNAVGF MPNLAAYP	GTPYTNAVGF MPNLKAYP	GTPYTHAVGF MPNKKAYP	ADPYTNAIGF MPNLNAYP	AEPYTNAIGF MPNLKAYP	TADPNNCKSF MPSLNAYP	GTPYANAVGF MPNLKAYP	GTPYTNAVGF MPNLKAYP	GTAYTNAVGF MPNLTAYP	GTPYTHAVGF MPNKKAYP	AAPYTNAVGF MPNLAAYP	ATPYTNAVGF MPNLAAYP	GTAYTNAVGF MPNLTAYP	GTIT. SAKGF MPSTTAYPFI	ATPYTNAVGF MPNLAAYP	GTPYTHAVGF MPNKKAYP	GTIT. SAKGF MPSTTAYPFI	GTAYTNAVGF MPNLTAYP	SSEVSNCKGF	AEPYTNAIGF MPNIKAYP	SVAYTNAVGE	•	
	C1 CV68	PANS	PAN6	PAN7	CHAD3	CHAD4	CHAD5	CHAD6	CHAD7	CHAD8	CHAD9	CHAD10	CHAD11	CHAD16	CHAD17	CHAD19	CHAD20	CHAD22	CHAD24	CHAD26	CHAD30	CHAD31	CHAD37	CHAD38	CHAD44	CHAD82	

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CV68 IAQE.
PAN5 IAKE.
PAN5 IAKE.
PAN7 IAQE.
CHAD4 IAQE.
CHAD4 IAQE.
CHAD1 IAQE.
CHAD2 IREDD
CHAD3 IAEQ.
CHAD3 IAEQ.
CHAD3 IAQE.
CHAD3 IREDD
CHAD3 IAQE.
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1	ATGGCGACCC	CATCGATGAT	GCCGCAGTGG	TCGTACATGC	ACATCTCGGG	C CAGGACGCC
61	TCGGAGTACC	TGAGCCCCGG	GCTGGTGCAG	TTCGCCCGCG	CCACCGAGAG	CTACTTCAGC
121	CTGAGTAACA	AGTTTAGGAA	CCCCACGGTG	GCGCCCACGC	ACGATGTGAC	CACCGACCGG
181	TCTCAGCGCC	TGACGCTGCG	GTTCATTCCC	GTGGACCGCG	AGGACACCGC	GTACTCGTAC
241	AAGGCGCGGT	TCACCCTGGC	CGTGGGCGAC	AACCGCGTGC	TGGACATGGC	CTCCACCTAC
301	TTTGACATCC	GCGGGGTGCT	GGACCGGGGT	CCCACTTTCA	AGCCCTACTC	TGGCACCGCC
361	TACAACTCCC	TGGCCCCCAA	GGGCGCTCCC	AACCCATGCG	AGTGGGATGA	GGCTGCTACT
421	GCCCTTGACA	TTGATTTGAA	CGCAGAAGAC	GATGAAGAAA	GCGACGAAGC	TCAAGGGGAA
481	GCAGATCAGC	AGAAAACTCA	TGTATTTGGC	CAGGCGCCCT	ACTCCGGACA	GAACATTACA
541	AAAGAAGGCA	TACAGATAGG	CATAGATGCT	GCCAGTCAAG	CCCAGACACC	TGTATATGCC
601	GATAAAACAT	TCCAACCAGA	ACCTCAAGTT	GGAGAATCAC	AGTGGAATGA	GACAGAGATT
661	AGTTATGGAG	CGGGACGGGT	GCTTAAAAAA	ACCACTCTCA	TGAAACCTTG	CTATGGGTCG
721	TATGCAAGGC	CTACTAATGA	GAACGGAGGT	CAGGGCATCC	TCTTGGAACA	AGATGGAAAG
781	AAAGAAAGTC	AAGTGGAAAT	GCAATTTTTC	TCTACTACTC	AGGCAGCCGC	GGTAATTCA
841	GATAATCCTA	CCCCAAAGGT	TGTTTTGTAC	AGCGAGGATG	TTAACCTGGA	AACACCAGAT
901	ACACACATTT	CATACATGCC	CACCAACAAC	GAGACAAATT	CAAGAGAGCT	TTTGGGACAA
961	CAGGCCATGC	CCAACAGGCC	TAATTACATT	GGCTTCAGAG	ACAACTTTAT	CGGTCTCATG
1021	TATTACAACA	GCACTGGCAA	CATGGGAGTG	CTTGCAGGTC	AGGCCTCTCA	GTTGAACGCA
1081	GTGGTGGACT	TGCAAGACAG	AAACACAGAA	CTGTCATACC	AGCTCTTGCT	TGATTCCATG
1141	GGTGACAGAA	CCAGATACTT	TTCCATGTGG	AATCAGGCAG	TGGACAGTTA	TGACCCAGAT
1201	GTCAGAATTA	TTGAAAATCA	TGGAACTGAA	GACGAGCTCC	CCAACTATTG	TTTCCCTCTG
1261	GGCGGCGTAA	TCAATACGGA	AACTTTCACA	AAAGTAAAAC	CTAAAGCTGC	ACAGGACGCT
1321	CAGTGGGAAA	AAGATTCAGA	ATTTTCAGAT	AAAAATGAAA	TAAGGGTGGG	AACAACTTC
1381	GCCATGGAAA	TTAACCTCAA	TGCCAATCTG	TGGAGGAACT	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	CAACGTAGCC
1441	CTCTACTTGC	CTGACAAGCT	TAAGTATACT	CCATCCAATG	TGCAAATTTC	CAACAATCCC
1501	AACTCCTACG	ATTACATGAA	CAAGCGAGTG	GTGGCCCCGG	GGCTGGTGGA	CTGCTACATC
1561	AACCTGGGCG	CGCGCTGGTC	GCTGGACTAC	ATGGACAACG	TCAACCCCTT	CAACCACCAC
1621	CGCAATGCGG	GCCTGCGCTA	CCGCTCCATG	CTCCTGGGCA	ACGGGCGCTA	□ GTGCCCTTC
1681	CACATCCAGG	TGCCCCAGAA	GTTCTTTGCC	ATCAAGAACC	TCCTCCTCCT	GCCGGGCTCC
1741	TACACCTACG	AGTGGAACTT	CAGGAAGGAT	GTCAACATGG	TCCTCCAGAG	CTCTCTGGGT
1801	AACGATCTCA	GGGTGGACGG	GGCCAGCATC	AAGTTCGAGA	GCATCTGCCT	CTACGCCACC
1861	TTCTTCCCCA	TGGCCCACAA	CACGGCCTCC	ACGCTCGAGG	CCATGCTCAG	GAACGACACC
1921	AACGACCAGT	CCTTCAATGA	CTACCTTTCC	GCCGCCAACA	TGCTCTACCC	CATACCCGCC
1981	AACGCCACCA	ACGTCCCCAT	CTCCATCCCC	TCGCGCAACT	GGGCGGCCTT	CCGCGGCTGG
2041	GCCTTCACCC	GCCTCAAGAC	CAAGGAGACC	CCCTCCCTGG	GCTCGGGATT	GACCCCTAC
2101	TACACCTACT	CGGGCTCCAT	TCCCTACCTG	GACGGCACCT	ТСТАССТСАА	CCACACTTTC
2161	AAGAAGGTCT	CGGTCACCTT	CGACTCCTCG	GTCAGCTGGC	CGGGCAACGA	CCGTCTGCTC
2221	ACCCCCAACG	AGTTCGAGAT	CAAGCGCTCG	GTCGACGGGG	AGGGCTACAA	C GTGGCCCAG
2281	TGCAACATGA	CCAAGGACTG	GTTCCTGGTC	CAGATGCTGG	CCAACTACAA	CATCGGCTAC
2341	CAGGGCTTCT	ACATCCCAGA	GAGCTACAAG	GACAGGATGT	ACTCCTTCTT	C AGGAACTTC
2401	CAGCCCATGA	GCCGGCAGGT	GGTGGACCAG	ACCAAGTACA	AGGACTACCA	GAGGTGGC
2461	ATCATCCACC	AGCACAACAA	CTCGGGCTTC	GTGGGCTACC	TCGCCCCCAC	C ATGCGCGAG
2521	GGACAGGCCT	ACCCCGCCAA	CTTCCCCTAC	CCGCTCATAG	GCAAGACCGC	GTCGACACC
2581	ATCACCCAGA	AAAAGTTCCT	CTGCGACCGC	ACCCTCTGGC	GCATCCCCTT	C TCCACCAAC
2641	TTCATGTCCA	TGGGTGCGCT	CTCGGACCTG	GGCCAGAACT	TGCTCTACCC	C AACTCCGCC
2701	CACGCCCTCG	ACATGACCTT	CGAGGTCGAC	CCCATGGACG	AGCCCACCCT	Т СТСТАТСТТ
2761	CTGTTCGAAG	TCTTTGACGT	GGTCCGGGTC	CACCAGCCGC	ACCGCGGCGT	C ATCGAGACC
2821	GTGTACCTGC	GTACGCCCTT	CTCGGCCGGC	AACGCCACCA	CCTAA (SEO	T TO NO. 161
					(0110	

1	ATGGCCACCC	CATCGATGCT	GCCCCAGTGG	GCGTACATGC	ACATCGCCGG	ACAGGACGCT
61	TCGGAGTACC	TGAGTCCGGG	TCTGGTGCAG	TTCGCCCGCG	CCACAGACAC	CTACTTCAGT
121	CTGGGGAACA	AGTTTAGGAA	CCCCACGGTG	GCGCCCACGC	ACGATGTGAC	CACCGACCGC
181	AGCCAGCGGC	TGACGCTGCG	CTTCGTGCCC	GTGGACCGCG	AGGACAACAC	CTACTCGTAC
241	AAAGTGCGCT	ACACGCTGGC	CGTGGGCGAC	AACCGCGTGC	TGGACATGGC	CAGCACCTAC
301	TTTGACATCC	GCGGCGTGCT	GGATCGGGGC	CCTAGCTTCA	AACCCTACTC	CGGCACCGCC
361	TACAACAGCC	TGGCTCCCAA	GGGAGCGCCC	AATTCCAGCC	AGTGGGAGCA	AAAAAAGACT
421		CCAATGGAGA				
481	ATTGACATCG	ATAAAAATGG	CCTTCAAATT	GGAACCGATG	ACACCAAAGA	TGACGATAAT
541	GAAATTTATG	CAGACAAAAC	ATATCAGCCT	GAGCCGCAAA	TAGGAGAGGA	AAACTGGCAA
601	GAAACATATT	CCTACTATGG	AGGTAGAGCT	CTTAAAAAAG	ATACCAAAAT	GAAGCCATGC
661	TATGGCTCAT	TTGCCAGACC	TACCAATGTG	AAAGGAGGAC	AGGCAAAAAT	AAAAACAGAT
721	GGAGATGTTA	AGTCATTTGA	CATAGACCTA	GCCTTCTTTG	ATATTCCCAA	TTCTGGCGCG
781	GGAAATGGCA	CAAATGTTAA	CGATGATCCA	GATATGGTTA	TGTATACAGA	AAATGTAAAT
841		CAGATACTCA				
901	GTCAACTTGT	GTCAGCAATC	CATGCCTAAC	AGACCCAATT	ATATTGGCTT	CAGAGACAAT
961	TTTATTGGGC	TTATGTACTA	CAACAGCACT	GGCAATATGG	GTGTGCTGGC	TGGTCAGGCC
1021	TCTCAACTGA	ATGCCGTGGT	GGACTTGCAA	GACAGAAACA	CAGAGCTGTC	CTACCAGCTC
1081	TTGCTTGACT	CTCTGGGTGA	CAGAACCAGG	TATTTCAGTA	TGTGGAATCA	GGCGGTGGAC
1141	AGTTATGATC	CTGATGTGCG	CATTATTGAA	AACCATGGTG	TGGAGGATGA	ATTGCCAAAC
1201		CCTTGGATGG				
1261	ACTGACAATG	GCAACGATCA	GTGGGAAACA	GATTCCACAG	TTTCAAGTCA	CAATCAGATA
1321	TGCAAAGGCA	ATATCTATGC	CATGGAGATC	AACCTCCAGG	CCAACCTGTG	GAGAAGTTTT
1381	CTCTACTCGA	ACGTGGCCCT	GTACCTGCCC	GATTCTTACA	AGTACACGCC	GGCCAACATC
1441	ACCCTGCCCA	CCAACACCAA	CACCTACGAT	TACATGAACG	GGAGAGTGGT	GCCTCCCTCG
1501		CCTACATCAA				
1561	AATCCCTTCA	ACCACCACCG	CAACGCGGGC	CTGCGCTACC	GCTCCATGCT	CCTGGGCAAC
1621	GGGCGCTACG	$\mathtt{TGCCCTTCCA}$	CATCCAGGTG	CCCCAGAAAT	TTTTCGCCAT	CAAGAGCCTC
1681	CTGCTCCTGC	CCGGGTCCTA	CACCTACGAG	TGGAACTTCC	GCAAGGACGT	CAACATGATC
1741	CTGCAGAGCT	CCCTCGGCAA	CGACCTGCGC	ACGGACGGGG	CCTCCATCTC	CTTCACCAGC
1801	ATCAACCTCT	ACGCCACCTT	CTTCCCCATG	GCGCACAACA	CGGCCTCCAC	GCTCGAGGCC
1861	ATGCTGCGCA	ACGACACCAA	CGACCAGTCC	TTCAACGACT	ACCTCTCGGC	GGCCAACATG
1921	CTCTACCCCA	TCCCGGCCAA	CGCCACCAAC	GTGCCCATCT	CCATCCCCTC	GCGCAACTGG
1981	GCCGCCTTCC	GCGGCTGGTC	CTTCACGCGC	CTCAAGACCC	GCGAGACGCC	CTCGCTGGGC
2041	TCCGGGTTCG	ACCCCTACTT	CGTCTACTCG	GGCTCCATCC	CCTACCTCGA	CGGCACCTTC
2101	TACCTCAACC	ACACCTTCAA	GAAGGTCTCC	ATCACCTTCG	ACTCCTCCGT	CAGCTGGCCC
2161	GGCAACGACC	GCCTCCTGAC	GCCCAACGAG	TTCGAAATCA	AGCGCACCGT	CGACGGAGAG
2221	GGATACAACG	TGGCCCAGTG	CAACATGACC	AAGGACTGGT	TCCTGGTCCA	GATGCTGGCC
2281	CACTACAACA	TCGGCTACCA	GGGCTTCTAC	GTGCCCGAGG	GCTACAAGGA	CCGCATGTAC
2341		GCAACTTCCA				
2401	GACTACCAGG	CCGTCACCCT	GGCCTACCAG	CACAACAACT	CGGGCTTCGT	CGGCTACCTC
2461		TGCGCCAGGG				
2521		TCACCAGCGT				
2581	ATCCCCTTCT	CCAGCAACTT	CATGTCCATG	GGCGCGCTCA	CCGACCTCGG	CCAGAACATG
2641		ACTCCGCCCA				
2701		TCTATGTTGT				
2761		TCGAGGCCGT				
2821		D NO: 17)				

1	ATGGCCACCC	CATCGATGCT	GCCCCAGTGG	GCGTACATGC	ACATCGCCGG	ACAGGACGCT
61		TGAGTCCGGG				
121		AGTTTAGGAA				
181	AGCCAGCGGC	TGACGCTGCG	CTTCGTGCCC	GTGGACCGCG	AGGACAACAC	CTACTCGTAC
241		ACACGCTGGC				
301		GCGGCGTGCT				
361	TACAACAGCC	TGGCTCCCAA	GGGAGCGCCC	AATTCCAGCC	AGTGGGAGCA	AAAAAAGACT
421	GGCAATAATG	CCAATGGAGA	TACGGAGAAT	GTCACTTATG	GTGTAGCTGC	CATGGGAGGA
481		ATAAAAATGG				
541		CAGACAAAAC				
601	GAAACATATT	CCTACTATGG	AGGTAGAGCT	CTTAAAAAAAG	ATACCAAAAT	GAAGCCATGC
661	TATGGCTCAT	TTGCCAGACC	TACCAATGTG	AAAGGAGGAC	AGGCAAAAAT	AAAAACAGAT
721	GGAGATGTTA	AGTCATTTGA	CATAGACCTA	GCCTTCTTTG	ATATTCCCAA	TTCTGGCGCG
781	GGAAATGGCA	CAAATGTTAA	CGATGATCCA	GATATGGTTA	TGTATACAGA	AAATGTAAAT
841	CTGGAAACCC	CAGATACTCA	TATTGTGTAC	AAACCAGGAA	CTTCAGATGA	CAGCTCAAAG
901	GTCAACTTGT	GTCAGCAATC	CATGCCTAAC	AGACCCAATT	ATATTGGCTT	CAGAGACAAT
961		TTATGTACTA				
1021	TCTCAACTGA	ATGCCGTGGT	GGACTTGCAA	GACAGAAACA	CAGAGCTGTC	CTACCAGCTC
1081		CTCTGGGTGA				
1141	AGTTATGATC	CTGATGTGCG	CATTATTGAA	AACCATGGTG	TGGAGGATGA	ATTGCCAAAC
1201	TATTGCTTCC	CCTTGGATGG	AGCAGGCACC			
1261	ACTGACAATG	GCAACGATCA	GTGGGAAACA	GATTCCACAG	TTTCAAGTCA	CAATCAGATA
1321	TGCAAAGGCA	ATATCTATGC	CATGGAGATC	AACCTCCAGG	CCAACCTGTG	GAGAAGTTTT
1381	CTCTACTCGA	ACGTGGCCCT	GTACCTGCCC	GATTCTTACA	AGTACACGCC	GGCCAACATC
1441	ACCCTGCCCA	CCAACACCAA	CACCTACGAT	TACATGAACG	GGAGAGTGGT	GCCTCCCTCG
1501	CTGGTGGACG	CCTACATCAA	CATCGGGGCG	CGCTGGTCGC	TGGACCCCAT	GGACAACGTG
1561	AATCCCTTCA	ACCACCACCG	CAACGCGGGC	CTGCGCTACC	GCTCCATGCT	CCTGGGCAAC
1621	GGGCGCTACG	TGCCCTTCCA	CATCCAGGTG	CCCCAGAAAT	TTTTTGCCAT	CAAGAGCCTC
1681	CTGCTCCTGC	CCGGGTCCTA	CACCTACGAG	TGGAACTTCC	GCAAGGACGT	CAACATGATC
1741	CTGCAGAGCT	CCCTCGGCAA	CGACCTGCGC	ACGGACGGGG	CCTCCATCTC	CTTCACCAGC
1801	ATCAACCTCT	ACGCCACCTT	CTTCCCCATG	GCGCACAACA	CGGCCTCCAC	GCTCGAGGCC
1861	ATGCTGCGCA	ACGACACCAA	CGACCAGTCC	TTCAACGACT	ACCTCTCGGC	GGCCAACATG
1921	CTCTACCCCA	TCCCGGCCAA	CGCCACCAAC	GTGCCCATCT	CCATCCCCTC	GCGCAACTGG
1981	GCCGCCTTCC	GCGGCTGGTC	CTTCACGCGC	CTCAAGACCC	GCGAGACGCC	CTCGCTGGGC
2041	TCCGGGTTCG	ACCCCTACTT	CGTCTACTCG	GGCTCCATCC	CCTACCTCGA	CGGCACCTTC
2101	TACCTCAACC	ACACCTTCAA	GAAGGTCTCC	ATCACCTTCG	ACTCCTCCGT	CAGCTGGCCC
2161	GGCAACGACC	GCCTCCTGAC	GCCCAACGAG	TTCGAAATCA	AGCGCACCGT	CGACGGAGAG
2221	GGATACAACG	TGGCCCAGTG	CAACATGACC	AAGGACTGGT	TCCTGGTCCA	GATGCTGGCC
2281		TCGGCTACCA				
2341		GCAACTTCCA				
2401		CCGTCACCCT				
2461		TGCGCCAGGG				
2521		TCGCCAGCGT				
2581		CCAGCAACTT				
2641		ACTCCGCCCA				
2701		TCTATGTTGT				
2761		TCGAGGCCGT				
2821		ID NO: 18)				
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61	TCGGAGTACC	TGAGTCCGGG	TCTGGTGCAG	TTCGCCCGCG	CCACAGACAC	CTACTTCAGT
121	CTGGGGAACA	AGTTTAGGAA	CCCCACGGTG	GCGCCCACGC	ACGATGTGAC	CACCGACCGC
181	AGCCAGCGGC	TGACGCTGCG	CTTCGTGCCC	GTGGACCGCG	AGGACAACAC	CTACTCGTAC
241	AAAGTGCGCT	ACACGCTGGC	CGTGGGCGAC	AACCGCGTGC	TGGACATGGC	CAGCACCTAC
301	TTTGACATCC	GCGGCGTGCT	GGACCGGGGC	CCTAGCTTCA	AACCTTACTC	CGGCACCGCT
361	TACAACAGCC	TGGCCCCCAA	GGGAGCACCC	AATTCCAGCC	AGTGGGAGCA	AAAAAAGACT
421	GGCAAAAATG	CCAATGGAGA	TACGGAGAAT	GTCACTTATG	GTGTAGCTGC	CATGGGAGGA
481	ATTGACATCG	ATAAAAATGG	CCTTCAAATT	GGAACCGATG	ACACCAAAGA	TGGCGATAAT
541	GAAATTTATG	CAGACAAAAC	ATATCAGCCT	GAGCCGCAAA	TAGGAGAGGA	AAACTGGCAA
601	GAAACATATT	CCTACTATGG	AGGTAGAGCT	CTTAAAAAAG	ATACCAAAAT	GAAGCCATGC
661	TATGGCTCAT	TTGCTAGACC	TACCAATGTG	AAAGGAGGAC	AGGCAAAAAT	AAAAACAGAT
721	GGAGATGTTA	AGTCATTTGA	CATAGACCTA	GCCTTCTTTG	ΑΤΆΤΤΟ ΤΑ ΔΑ	TTCTCCCCC
781	GGAAATGGCA	CAAATGTTAA	CGATGATCCA	GATATGGTTA	TGTATACAGA	AAATGTAAAT
841	CTGGAAACCC	CAGATACTCA	TATTGTGTAC	AAACCAGGAA	CTTCAGATGA	CACCTCCGAG
901	GTCAACTTGT	GTCAGCAATC	CATGCCTAAC	AGACCCAATT	ATATTGGCTT	CAGAGACAAT
961	TTTATTGGGC	TTATGTACTA	CAACAGCACT	GGCAATATGG	GTGTGCTGGC	TGGTCAGGCC
1021	TCTCAACTGA	ATGCCGTGGT	GGACTTGCAA	GACAGAAACA	CAGAGCTGTC	CTACCACCTC
1081	TTGCTTGACT	CTCTGGGTGA	CAGAACCAGG	TATTTCAGTA	TGTGGAATCA	GGCGGTGGAC
1141	AGTTATGATC	CTGATGTGCG	CATTATTGAA	AACCATGGTG	TGGAGGATGA	ATTGCCAAAC
1201	TATTGCTTCC	CCTTGGATGG	AGCAGGCACC	AATTCGGTTT	ACCAAGGTGT	TAAACCAAAA
1261	ACTGACAATG	GCAACGATCA	GTGGGAAACA	GATTCCACAG	TTTCAAGTCA	CAATCAGATA
1321	TGCAAAGGCA	ATATCTATGC	CATGGAGATC	AATCTCCAGG	CCAACCTGTG	GAGAAGTTTC
1381	CTCTACTCGA	ACGTGGCCCT	GTACCTGCCC	GATTCTTACA	AGTACACGCC	GGCCAACATC
1441	ACCCTGCCCA	CCAACACCAA	CACCTACGAT	TACATGAACG	GGAGAGTGGT	GCCTCCCTCG
1501	CTGGTGGATG	CCTACATCAA	CATCGGAGCG	CGCTGGTCGC	TGGACCCCAT	GGACAACGTC
1561	AATCCCTTCA	ACCACCACCG	CAATGCGGGG	CTGCGCTACC	GCTCCATGCT	CCTGGGCAAC
1621	GGGCGCTACG	TGCCCTTCCA	CATCCAGGTG	CCCCAGAAAT	TTTTCGCCAT	CAAGAGCCTT
1681	CTGCTCCTGC	CCGGGTCCTA	CACCTACGAG	TGGAACTTCC	GCAAGGACGT	CAACATGATC
1741	CTGCAGAGCT	CCCTCGGCAA	CGACCTGCGC	ACGGACGGGG	CCTCCATCTC	CTTCACCAGC
1801	ATCAACCTCT	ACGCCACCTT	CTTCCCCATG	GCGCACAACA	CGGCCTCCAC	GCTCGAGGCC
1861	ATGCTGCGCA	ACGACACCAA	CGACCAGTCC	TTCAACGACT	ACCTCTCGGC	GGCCAACATG
1921	CTCTACCCCA	TCCCGGCCAA	CGCCACCAAC	GTGCCCATCT	CCATCCCCTC	GCGCAACTGG
1981	GCCGCCTTCC	GCGGCTGGTC	CTTCACGCGC	CTCAAGACCA	AGGAGACGCC	CTCGCTGGGC
2041	TCCGGGTTCG	ACCCATACTT	CGTCTACTCG	GGCTCCATCC	CCTACCTCGA	CGGCACCTTC
2101	TACCTCAACC	ACACCTTCAA	GAAGGTCTCC	ATCACCTTCG	ATTCCTCCGT	CAGCTGGCCC
2161	GGCAACGACC	GGCTCCTGAC	GCCCAACGAG	TTCGAAATCA	AGCGCACCGT	CGACGGCGAG
2221	GGATACAACG	TGGCCCAGTG	CAACATGACC	AAGGACTGGT	TCCTGGTCCA	GATGCTGGCC
2281	CACTACAACA	TCGGCTACCA	GGGCTTCTAC	GTGCCCGAGG	GCTACAAGGA	CCGCATGTAC
2341	TCCTTCTTCC	GCAACTTCCA	GCCCATGAGC	CGCCAGGTGG	TGGACGAGGT	CAACTACAAG
2401	GACTACCAGG	CCGTCACCCT	GGCCTACCAG	CACAACAACT	CGGGCTTCGT	CGGCTACCTC
2461	GCGCCCACCA	TGCGCCAGGG	CCAGCCCTAC	CCCGCCAACT	ACCCGTACCC	GCTCATCGGC
2521	AAGAGCGCCG	TCACCAGCGT	CACCCAGAAA	AAGTTCCTCT	GCGACAGGGT	CATGTGGCGC
2581	ATCCCCTTCT	CCAGCAACTT	CATGTCCATG	GGCGCGCTCA	CCGACCTCGG	GCAGAACATG
2641	CTCTATGCCA	ACTCCGCCCA	CGCGCTAGAC	ATGAATTTCG	AAGTCGACCC	CATGGATGAG
2701	TCCACCCTTC	TCTATGTTGT	CTTCGAAGTC	TTCGACGTCG	TCCGAGTGCA	CCAGCCCCAC
2761	CGCGGCGTCA	TCGAGGCCGT	CTACCTGCGC	ACCCCCTTCT	CGGCCGGTAA	CGCCACCACC
2821	TAA (SEQ ID	NO: 19)				

1	ATGGCCACCC	CATCGATGCT	GCCCCAGTGG	GCGTACATGC	ACATCGCCGG	ACAGGACGC T
61	TCGGAGTACC	TGAGTCCGGG	TCTGGTGCAG	TTCGCCCGCG	CCACAGACAC	CTACTTCAGT
121	CTGGGGAACA	AGTTTAGGAA	CCCCACGGTG	GCACCCACGC	ACGATGTGAC	CACCGACCG-C
181	AGCCAGCGGC	TGACGCTGCG	CTTCGTGCCC	GTGGACCGCG	AGGACAACAC	CTACTCGTA_C
241	AAAGTGCGCT	ACACGCTGGC	CGTGGGCGAC	AACCGCGTGC	TGGACATGGC	CAGCACCTA_C
301	TTTGACATCC	GCGGCGTGCT	GGATCGGGGC	CCTAGCTTCA	AACCCTACTC	CGGCACCGC T
361	TACAACAGCC	TGGCTCCCAA	GGGAGCGCCC	AACACTTGCC	AGTGGACATA	TACTGATAA_C
421	CAAACTGAGA	AAACAGCCAC	ATATGGAAAT	GCACCCGTAG	AGGGCATTAA	CATTACAAA A
481	GATGGCATTC	AACTTGGAAC	TGACAGCGAT	GGTCAGGCAA	TCTATCCAGA	CGAAACTTA_T
541	CAGCCCGAAC	CTCAGGTGGG	AGATCCTGAA	TGGCATGATA	CCACACCTAC	AGAAGAAAA A
601	TATGGAGGCA	GAGCGCTTAA	ACCTGCCACC	GACATGAAAC	CTTGCTATGG	CTCTTTTGC C
661	AAGCCAACTA	ATGTTAAGGG	AGGTCAGGCC	AAAAGCAGAA	CAAAAACTGA	TGGAACAAC T
721	GAGCCTGATA	TTGACATGGC	CTTTTTTGAT	GGCAGAAATG	CAACAACAGC	TGGTTTGAC T
781	CCAGAAATTG	TTTTGTATAC	TGAAAATGTG	GATCTGGAAA	CTCCAGATAC	CCATATTGT_A
841	TACAAGGCAG	GCACAGATGA	CAGCAGCTCT	TCTATCAATT	TGGGTCAGCA	GTCCATGCC ←
901	AACAGACCCA	ACTACATTGG	CTTCAGAGAC	AACTTTATCG	GGCTCATGTA	CTACAACAG<
961	ACTGGCAATA	TGGGTGTACT	GGCTGGACAG	GCCTCCCAGC	TGAATGCTGT	GGTGGACTT ←
1021	CAGGACAGAA	ACACTGAACT	GTCCTACCAG	CTCTTGCTTG	ACTCTCTGGG	TGACAGAAC €
1081	AGGTATTTCA	GTATGTGGAA	TCAGGCGGTG	GACAGTTATG	ACCCCGATGT	GCGCATTAT T
1141	GAAAATCACG	GTGTGGAGGA	TGAACTCCCC	AACTATTGCT	TCCCCCTGAA	TGCTGTGGGT
1201	AGAACAAATA	GTTATCAGGG	AATTAAACCC	AATGGAGGCG	ATCCAGCTAC	ATGGGCCAAZA
1261	GATGAAAGCG	TCAATGATTC	TAATGAATTG	GGCAAGGGCA	ATCCTTTCGC	CATGGAGATC
1321	AACATCCAGG	CCAACCTGTG	GCGGAACTTC	CTCTACGCGA	ACGTGGCGCT	GTACCTGCCC
1381	GACTCCTACA	AGTACACGCC	GGCCAACATC	ACGCTGCCCG	CCAACACCAA	CACCTACGATT
1441	TACATGAACG	GCCGCGTGGT	GGCGCCCTCG	CTGGTGGACG	CCTACATCAA	CATCGGGGGCG
1501	CGCTGGTCGC	TGGACCCCAT	GGACAACGTC	AACCCCTTCA	ACCACCACCG	CAACGCGGGC
1561	CTGCGCTACC	GCTCCATGCT-	-CCTGGGCAAC	GGGCGCTACG	TGCCCTTCCA	CATCCAGGTC
1621	CCCCAAAAGT	TTTTCGCCAT	CAAGAGCCTC	CTGCTCCTGC	CCGGGTCCTA	CACCTACGACG
1681	TGGAACTTCC	GCAAGGACGT	CAACATGATC	CTGCAGAGCT	CCCTCGGCAA	CGACCTGCGCT
1741	ACGGACGGGG	CCTCCATCGC	CTTCACCAGC	ATCAACCTCT	ACGCCACCTT	CTTCCCCATC
1801	GCGCACAACA	CCGCCTCCAC	GCTCGAGGCC	ATGCTGCGCA	ACGACACCAA	CGACCAGTCC:
1861	TTCAACGACT	ACCTCTCGGC	GGCCAACATG	CTCTACCCCA	TCCCGGCCAA	CGCCACCAAC
1921	GTGCCCATCT	CCATCCCCTC	GCGCAACTGG	GCCGCCTTCC	GCGGATGGTC	CTTCACGCGC
1981	CTCAAGACCC	GCGAGACGCC	CTCGCTAGGC	TCCGGGTTCG	ACCCCTACTT	CGTCTACTCCT
2041	GGCTCCATCC	CCTACCTCGA	CGGCACCTTC	TACCTCAACC	ACACCTTCAA	GAAGGTCTCC
2101	ATCACCTTCG	ACTCCTCCGT	CAGCTGGCCC	GGCAACGACC	GCCTCCTGAC	GCCCAACGAC
2161	TTCGAAATCA	AGCGCACCGT	CGACGGAGAG	GGATACAACG	TGGCCCAGTG	CAACATGACC
2221	AAGGACTGGT	TCCTGGTCCA	GATGCTGGCC	CACTACAACA	TCGGCTACCA	GGGCTTCTAC
2281	GTGCCCGAGG	GCTACAAGGA	CCGCATGTAC	TCCTTCTTCC	GCAACTTCCA	GCCCATGAGC
2341	CGCCAGGTCG	TGGACGAGGT	CAACTACAAG	GACTACCAGG	CCGTCACCCT	GGCCTACCAC
2401	CACAACAACT	CGGGCTTCGT	CGGCTACCTC	GCGCCCACCA	TGCGCCAGGG	CCAGCCCTACT
2461	CCCGCCAACT	ACCCCTACCC	GCTCATCGGC	AAGAGCGCCG	TCGCCAGCGT	CACCCAGAAA
2521	AAGTTCCTCT	GCGACCGGGT	CATGTGGCGC	ATCCCCTTCT	CCAGCAACTT	CATGTCCATG
2581	GGCGCGCTCA	CCGACCTCGG	CCAGAACATG	CTCTACGCCA .	ACTCCGCCCA	CGCGCTAGAC
2641	ATGAATTTCG	AAGTCGACCC	CATGGATGAG	TCCACCCTTC	TCTATGTTGT	CTTCGAAGTCT
2701	TTCGACGTCG	TCCGAGTGCA	CCAGCCCCAC	CGCGGCGTCA	TCGAGGCCGT	CTACCTGCGC
2761	ACGCCCTTCT	CGGCCGGCAA	CGCCACCACC		D NO: 20)	

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1				GCGTACATGC		
61				TTCGCCCGCG		
121				GCGCCCACGC		
181				GTGGACCGCG		
241	AAAGTGCGCT	ACACGCTGGC	CGTGGGCGAC	AACCGCGTGC	TGGACATGGC	CAGCACCTAC
301				CCTAGCTTCA		
361				AACACTTGCC		
421	CAAACTGAGA	AAACAGCCAC	ATATGGAAAT	GCGCCTGTGC	AAGGCATTAG	TATTACAAAA
481				GATCAGCCCA		
541				TGGCATGACA		
601				AAAATGAAGC		
661				AATGTGAAAA		CGGTACCAAA
721				AATCGAAGTG		TGGCCTGGCC
781				GATCTGGAAA		
841				TCTATCAATT		
901	AACAGACCCA	ACTACATTGG	CTTCAGAGAC	${\tt AACTTTATCG}$	GTCTCATGTA	CTACAACAGC
961				GCCTCCCAGC		
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1081				GACAGTTATG		
1141				${\tt AATTATTGCT}$		
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1261				GGCAAGGGCA		
1321				CTCTACGCGA		
1381				${\tt ACGCTGCCCA}$		
1441				CTGGTGGACG		
1501				${\tt AACCCCTTCA}$		
1561				$\tt GGGCGCTACG$		
1621				CTGCTCCTGC		
1681				CTGCAGAGCT		
1741	ACGGACGGGG	CCTCCATCGC	CTTCACCAGC	ATCAACCTCT	ACGCCACCTT	CTTCCCCATG
1801				ATGCTGCGCA		
1861				${\tt CTCTACCCCA}$		
1921				GCCGCCTTCC		
1981				TCCGGGTTCG		
2041				TACCTCAACC		
2101	ATCACCTTCG	ACTCCTCCGT	CAGCTGGCCC	GGCAACGACC	GCCTCCTGAC	GCCCAACGAG
2161				GGGTACAACG		
2221				CACTACAACA		
2281				TCCTTCTTCC		
2341				GACTACCAGG		
2401				GCGCCCACCA		
2461				AAGAGCGCCG		
2521				ATCCCCTTCT		
2581				CTCTACGCCA		
2641				TCCACCCTTC		
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2761	ACGCCCTTCT	CGGCCGGCAA	CGCCACCACC	TAA (SEQ I	D NO: 21)	

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61				TTCGCTCGCG		
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181				GTGGACCGCG		
241				AACCGCGTGC		
301				CCCACCTTCA		
361				AACTCCTGCG		
421				GAAGAAGATG		
481				TATGCTCAGG		
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661				AAGAAAACCA		
721				GGAGGTCAGG		
781				CAATTCTTTT		
841				GTGCTGTATA		
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1021	GGTCTCATGT	ACTACAACAG	CACTGGCAAC	ATGGGAGTGC	TTGCAGGTCA	GGCCTCTCAG
1081				AACACAGAAC		
1141	GATTCCATGG	GTGACAGAAC	CAGATATTTC	TCCATGTGGA	ATCAGGCAGT	GGACAGTTAT
1201	GACCCAGATG	TCAGAATTAT	TGAAAATCAT	GGAACTGAAG	ACGAGCTCCC	CAACTATTGT
1261	TTCCCTCTGG	GCGGCATAGG	GGTAACTGAC	ACTTACCAGG	CTGTTAAGAC	CAACAATGGC
1321	AATAATGGGG	GTCAGGTGAC	TTGGACAAAA	GATGAAACTT	TTGCAGAGCG	CAATGAGATA
1381	GGGGTGGGAA	ACAATTTCGC	CATGGAGATC	AACCTCAATG	CCAACCTGTG	GAGGAACTTC
1441	CTGTACTCCA	ACGTGGCCCT	GTACCTGCCA	GACAAGCTTA	AGTACAACCC	CTCCAACGTG
1501				TACATGAACA		
1561	CTGGTGGACT					
1621				CTGCGCTACC		
1681				CCCCAGAAGT		
1741				TGGAACTTCA		
1801				GTGGACGGGG		
1861	ATCTGCCTCT					
1921				TTCAATGACT		
1981	CTCTACCCCA	TCCCCGCCAA	CGCCACCAAC	GTCCCCATCT	CCATCCCCTC	GCGCAACTGG
2041				CTCAAGACCA		
2101				GGATCCATTC		
2161				GTCACCTTCG		
2221				TTCGAGATCA		
2281	GGCTACAACG					
2341	AACTACAACA					
2401				CGGCAGGTGG		
2461	GACTACCAGG	AGGTGGGCAT	CATCCACCAG	CACAACAACT	CGGGCTTCGT	GGGCTACCTC
2521	GCCCCCACCA	TGCGCGAGGG	ACAGGCCTAC	CCCGCCAACT	TCCCCTACCC	GCTCATAGGC
2581	AAGACCGCGG					
2641	ATCCCCTTCT					
2701	CTCTATGCCA					
2761	CCCACCCTTC					
2821	CGCGGCGTCA		GTACCTGCGC	ACGCCCTTCT	CGGCCGGCAA	CGCCACCACC
2881	TAA (SEQ I	D NO: 22)				

-	3500000000					
1	ATGGCCACCC	CATCGATGCT	GCCCCAGTGG	GCGTACATGC	ACATCGCCGG	ACAGGACGCT
61	TCGGAGTACC	TGAGTCCGGG	TCTGGTGCAG	TTCGCCCGCG	CCACAGACAC	CTACTTCAGT
121	CTGGGGAACA	AGTTTAGGAA	CCCCACGGTG	GCGCCCACGC	ACGATGTGAC	CACCGACCGC
181	AGCCAGCGGC	TGACGCTGCG	CTTCGTGCCC	GTGGACCGCG	·AGGACAACAC	CTACTCGTAC
241	AAAGTGCGCT	ACACGCTGGC	CGTGGGCGAC	AACCGCGTGC	TGGACATGGC	CAGCACCTAC
301	'I"I"TGACATCC	GCGGCGTGCT	GGACCGGGGC	CCTAGCTTCA	AACCCTACTC	CGGCACCGCC
361		TGGCCCCCAA				
421		AGGCTACGAC				
481		TCGACGGACT	ACAAATTGGA			
541		ATAAAACATT				
601	ACTGAAAGCT		TAGGGCTCTT	AAGAAAGACA	CAAACATGAA	GCCTTGTTAT
661		CCAGACCTAC				
721	GATGGGCTGC	CGACCAAAGA	ATTTGACATA	GACCTAGCAT	TCTTTGATAC	TCCTGGTGGC
781	ACTGTGACCG	GAGGTACAGA	GGAGTATAAA	GCAGATATTG	TTATGTATAC	CGAAAACACG
841	TATCTGGAAA	CTCCAGACAC	ACATGTGGTG	TATAAACCAG	GCAAGGATAA	CACAAGTTCT
901	AAAATTAACC	TGGTCCAGCA	GTCTATGCCC	AACAGGCCCA	ACTACATTGG	GTTTAGGGAC
961	AACTTTATTG	GGCTCATGTA	TTACAACAGC	ACTGGCAATA	TGGGTGTGCT	GGCCGGTCAG
1021	GCTTCTCAGT	TGAATGCTGT	GGTTGACTTG	CAAGACAGAA	ACACTGAACT	GTCTTACCAG
1081	CTCTTGCTTG	ACTCTTTGGG	TGACAGAACC	AGGTATTTCA	GTATGTGGAA	TCAGGCGGTG
1141	GACAGTTATG	ATCCTGATGT	GCGCATTATT	GAAAACCATG	GTGTGGAAGA	TGAACTTCCC
1201	AACTATTGCT	TCCCCCTGGA	TGGGTCTGGC	ACTAACGCCG	CTTACCAAGG	TGTGAAAGTA
1261		AAGATGGTGA				
1321	CGAAATCAAT	TATGCAAGGG	CAACATTTTT	GCCATGGAGA	TCAATCTCCA	GGCCAACCTG
1381	TGGAGAAGTT	TTCTCTACTC	GAACGTGGCC	${\tt CTGTACCTGC}$	CCGATTCTTA	CAAGTACACG
1441	CCGGCCAACA	TCACCCTGCC	CACCAACACC	AACACCTACG	ATTACATGAA	CGGGAGAGTG
1501		CGCTGGTGGA			CGCGCTGGTC	
1561	_ATGGACAACG	TCAATCCCTT	CAACCACCAT	CGCAACGCGG	GGCTGCGCTA	CCGCTCCATG
.1621	CTCCTGGGCA	ACGGGCGCTA	CGTGCCCTTC	CACATCCAGG	TGCCCCAGAA	ATTTTTCGCC
1681	ATTAAGAGCC	TCCTGCTCCT	GCCCGGGTCC		AGTGGAACTT	
1741	GTCAACATGA	TCCTGCAGAG	CTCCCTCGGC		GCACGGACGG	
1801	TCCTTCACCA	GCATCAACCT	CTACGCCACC		TGGCGCACAA	
1861	ACGCTCGAGG	CCATGCTGCG	CAACGACACC	AACGACCAGT	CCTTCAACGA	CTACCTCTCG
1921		TGCTCTACCC		AACGCCACCA		
1981	TCGCGCAACT	GGGCCGCCTT			GCCTCAAGAC	
2041	CCCTCGCTGG	GCTCCGGGTT	CGACCCCTAC		CGGGCTCCAT	
2101	GACGGCACCT	TCTACCTCAA	CCACACCTTC	AAGAAGGTCT		
2161	GTCAGCTGGC	CCGGCAACGA		ACGCCCAACG		
2221	GTCGACGGCG	AGGGCTACAA	CGTGGCCCAG		CCAAGGACTG	
2281		CCCACTACAA			ACGTGCCCGA	
2341		ACTCCTTCTT		CAGCCCATGA		
2401	GTCAACTACA	AGGACTACCA			AGCACAACAA	
2461		TCGCGCCCAC				
2521		GCAAGAGCGC		GTCACCCAGA		
2581		GCATCCCCTT		TTCATGTCCA		
2641		TGCTCTACGC		CACGCGCTAG	ACATGAATTT	CGAAGTCGAC
2701	CCCATGGATG			GTCTTCGAAG		
2761		ACCGCGGCGT				
2821		CCTAA (SEQ				2-20000001
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1	ATGGCGACCC	CATCGATGAT	GCCGCAGTGG	TCGTACATGC	: ACATCTCGGG	CCAGGACGCC
61	TCNGAGTACC	TGAGCCCCGG	GCTGGTGCAG	TTCGCCCGCG	CCACCGAGAG	CTACTTCAGC
121	CTGAGTAACA	AGTTTAGGAA	CCCCACGGTG	GCGCCCACGC	ACGATGTGAC	CACCGACCGG
181	TCTCAGCGCC	TGACGCTGCG	GTTCATTCCC	GTGGACCGCG	AGGACACCGC	GTACTCGTAC
241	AAGGCGCGGT	TCACCCTGGC	CGTGGGCGAC	AACCGCGTGC	TGGACATGGC	CTCCACCTAC
301	TTTGACATCC	GCGGGGTGCT	GGACCGGGGT	CCCACTTTCA	AGCCCTACTC	TGGCACCGCC
361	TACAACTCCC	TGGCCCCCAA	GGGCGCTCCC	AACTCCTGCG	AGTGGGAGCA	AGAGGAAACT
421	CAGGCAGTTG	AAGAAGCAGC	AGAAGAGGAA	GAAGAAGATG	CTGACGGTCA	AGCTGAGGAA
481	GAGCAAGCAG	CTACCAAAAA	GACTCATGTA	TATGCTCAGG	CTCCCCTTTC	TGGCGAAAA
541	ATTAGTAAAG	ATGGTCTGCA	AATAGGAACG	GACGCTACAG	CTACAGAACA	AAAACCTATT
601	TATGCAGACC	CTACATTCCA	GCCCGAACCC	CAAATCGGGG	AGTCACAGTG	GAATGAGGCA
661	GATGCTACAG	TCGCCGGCGG	TAGAGTGCTA	AAGAAATCTA	CTCCCATGAA	ACCATGCTAT
721	GGTTCCTATG	CAAGACCCAC	AAATGCTAAT	GGAGGTCAGG	GTGTACTAAC	GCCAAATCCC
781	CAGGGACAGC	TAGAATCTCA	GGTTGAAATG	CAATTCTTTT	CAACTTCTGA	AAACGCCCGT
841	AACGAGACTA	ACAACATTCA	GCCCAAATTG	GTGCTGTATA	GTGAGGATGT	GCACATGGAG
901	ACCCCGGATA	CGCACCTTTC	TTACAAGCCC	GCAAAAAGCG	ATGACAATTC	AAAAATCATG
961	CTGGGTCAGC	AGTCCATGCC	CAACAGACCT	AATTACATCG	GCTTCAGAGA	TA A C T T A
1021	GGCCTCATGT	ATTACAATAG	CACTGGCAAC	ATGGGAGTGC	TTGCAGGTCA	CCCCTCTCAC
1081	TTGAATGCAG	TGGTGGACTT	GCAAGACAGA	AACACAGAAC	TGTCCTACCA	CCTCTCAG
1141	GATTCCATGG	GTGACAGAAC	CAGATACTTT	TCCATGTGGA	ATCAGGCAGT	CCACACACATA
1201	GACCCAGATG	TTAGAATTAT	TGAAAATCAT	GGAACTGAAG	ACGAGCTCCC	CAACAGIIAI
1261	TTCCCTCTGG	GTGGCATAGG	GGTAACTGAC	ACTTACCAGG	CTGTTAAAAC	CAACIAIIGI
1321	AATAACGGGG	GCCAGGTGAC	TTGGACAAAA	GATGAAACTT	TTGCAGATCG	CAACAAIGGC
1381	GGGGTGGGAA	ACAATTTCGC	TATGGAGATA	AACCTCACTC	CCAACCTGTG	CAAIGAAAIA
1441	CTGTACTCCA	ACGTGGCGCT	GTACCTACCA	GACAAGCTTA	AGTACAACCC	CTCCAATCTIC
1501	GACATCTCTG	ACAACCCCAA	CACCTACGAT	TACATCAACA	AGCGAGTGGT	CCCCCCCCCCCC
_1561	CTGGTGGACT	GCTACATCAA	CCTGGGCGCG	CCCTCCTCCC	TCCACTACAT	CCACAACCTC
1621	AACCCCTTCA	ACCACCACCG	CAATGCGGGC	CTCCCCTACC	GCTCCATGCT	CCTCCCCA A C
1681	GGGCGCTACG	TGCCCTTCCA	CATCCAGGTG	CCCCAGAACT	TCTTTGCCAT	CCIGGGCAAC
1741	CTCCTCCTGC	CGGGCTCCTA	CACCTACGAG	TCCAACTTCA	CCAACCATCT	CAAGAACCTC
1801	CTCCAGAGCT	CTCTGGGTAA	CGATCTCAGG	CTCCACCCC	CCAGCATCAA	CMMCCACACA
1861	ATCTGCCTCT	ACGCCACCTT	CTTCCCCATC	CCCCACAACA	CGGCCTCCAC	CCTCCAGAGC
1921	ATGCTCAGGA	ACGACACCAA	CCACCACTCC	TTTCNNTCNCT	ACCTCTCCGC	GCTCGAGGCC
1981	CTCTACCCCA	TACCCCCCAA	CCCCACCAAC	CTCCCCATCT	CCATCCCCTC	CGCCAACATG
2041	GCGGCCTTCC	GCGGCTGGGC	CTTCACCCCC	CTCAACACCA	AGGAGACCCC	GCGCAACTGG
2101	TCGGGATTCG	ACCCCTACTA	CACCTACTCC	CICAAGACCA	CCTACCTGGA	CTCCCTGGGC
2161	TACCTCAACC	ACACTTTCAA	GAACGTCTCG	CTCACCCTCC	ACTCCTCGGT	CGGCACCTTC
2221	GGCAACGACC	GTCTGCTCAC	CCCCDACGAG	TUCCACCIICG	AGCGCTCGGT	CAGCTGGCCG
2281	GGCTACAACG	TGGCCCAGTG	CAACATCACC	A A C C A C C C C C C	AGCGCTCGGT	CGACGGGGAG
2341	AACTACAACA	TCGGCTACCA	CCCCTTCTAC	AMCCCACACA	TCCTGGTCCA	GATGCTGGCC
2401	TCCTTCTTCA	CCAACTTCCA	CCCCATCACC	CCCCAGAGA	GCTACAAGGA	CAGGATGTAC
2461	GACTACCAGG	ACCTCCCCAT	CATCCATGAGC	CGGCAGGIGG	TGGACCAGAC	CAAGTACAAG
2521	GCCCCACCA	TCCCCCACCC	ACACCCCCONAC	CACAACAACT	CGGGCTTCGT	GGGCTACCTC
2581	AAGACCGCGG	TCCCCGAGGG	CACCCACAAA	A A COUNCIONATE	CCCCCTATCC	GCTCATAGGC
2641	ATCCCCTTCT		CACCCAGAAA	AAGTICCICI.	GCGACCGCAC	CCTCTGGCGC
2701	CTCTACCCCA	DCTGCTTC I	CTIGICCAIG	GGTGCGCTCT.	A GORGON GOO	CCAGAACTTG
2761	CTCTACGCCA . CCCACCCTTC	Φ_{AB}	CGCCCTCGAC	MUDICA COMOC	AGGTCGACCC	CATGGACGAG
2821	CGCGGCGTCA	TCTWIGITCI	GIICGAAGIC	TTTGACGTGG	TCCGGGTCCA	CCAGCCGCAC
2881	TAA (SEQ ID	NO. 241	GTWCCTGCGT.	ACGCCCTTCT	CGGCCGGCAA	CGCCACCACC
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1				TCGTACATGC		
61				TTCGCCCGCG		
121				GCGCCCACGC		
181				GTGGACCGCG		
241				AACCGCGTGC		
301				CCCACCTTCA		
361				AACTCTTGTG		
421				GAAGATGAAG		
481				CAGGCTCCCC		
541				ACAGAAGCTC		
601				GGGGAGTCCC		
661				ACCACTCCCA		
721	TATGCAAGAC	CCACGAATGC	TAATGGAGGT	CAGGGTGTGC	TGGTGGCTGA	TGATAAGGGG
781				TTTTCAAATA		
841	GAGGGTAATG	ATACAAAACC	AAAAGTAGTG	CTGTATAGCG	AGGATGTGCA	CATGGAAACA
901	CCAGACACCC	ACATTTCTTA	CAAGCCCACA	AAAAGCGATG	ACAATTCTAA	AGTTATGCTG
961	GGCCAACAGT	CCATGCCCAA	CAGGCCTAAT	TACATCGGCT	TCAGAGACAA	CTTTATCGGT
1021	CTCATGTACT	ACAACAGCAC	TGGCAACATG	GGAGTGCTTG	CAGGTCAGGC	CTCTCAGTTG
1081	AATGCAGTGG	TGGACTTGCA	AGACAGAAAC	ACAGAACTGT	CCTACCAGCT	CTTGCTTGAT
1141	TCCATGGGTG	ACAGAACCAG	ATATTTCTCC	ATGTGGAATC	AGGCAGTGGA	CAGTTATGAC
1201	CCGGATGTCA	GAATTATTGA	AAATCATGGA	ACCGAAGACG	AGCTCCCCAA	CTATTGTTTT
1261	CCTCTGGGTG	GCATAGGGGT	AACTGACACT	TACCAGGTCA	TTAAAACTAA	TGGCAATGGT
1321	CAAGCAGACC	CAACCTGGGA	AAAAGATACA	GAGTTTGCAG	ACCGCAATGA	AATAGGGGTG
1381	GGAAACAATT	TCGCCATGGA	GATCAACCTC	AATGCCAACC	TGTGGAGGAA	CTTCCTGTAC
1441	TCCAACGTGG	CCCTGTACCT	GCCAGACAAG	CTTAAGTACA	ACCCCTCCAA	CGTGGACATC
1501	TCTGACAACC	CCAACACCTA	CGATTACATG	AACAAGCGAG	TGGTGGCCCC	GGGGCTGGTG
1561	GACTGCTACA	TCAACCTGGG	CGCGCGCTGG	TCGCTGGACT	ACATGGACAA	CGTCAACCCC
1621	TTCAACCACC	ACCGCAACGC	GGGCCTGCGC	TACCGCTCCA	TGCTCCTGGG	CAACGGGCGC
1681	TACGTGCCCT	TCCACATCCA	GGTGCCCCAG	AAGTTCTTTG	CCATCAAGAA	CCTCCTCCTC
1741	CTGCCGGGCT	CCTACACCTA	CGAGTGGAAC	TTCAGGAAGG	ATGTCAACAT	GGTCCTCCAG
.1801	AGCTCTTTGG	GCAACGATCT	CAGGGTGGAC	GGGGCCAGCA	TCAAGTTCGA	GAGCATCTGC
1861	CTCTACGCCA	CCTTCTTCCC	CATGGCCCAC	AACACCGCCT	CCACGCTCGA	GGCCATGCTC
1921	AGGAACGACA	CCAACGACCA	GTCCTTCAAT	GACTACCTCT	CCGCCGCCAA	CATGCTCTAC
1981				ATCTCCATCC	•	
2041	TTCCGCGGCT	GGGCCTTCAC	CCGCCTCAAG	ACCAAGGAGA	CACCCTCCCT	GGGCTCGGGA
2101	TTCGACCCCT	ACTACACCTA	CTCGGGATCC	ATTCCCTACC	TGGACGGCAC	CTTCTACCTC
2161	AACCACACTT	TCAAGAAGGT	CTCGGTCACC	TTCGACTCCT	CGGTCAGCTG	GCCGGGCAAC
2221	GACCGCCTGC	TCACCCCCAA	CGAGTTCGAG	ATCAAGCGCT	CGGTCGACGG	GGAGGGCTAC
2281	AACGTGGCCC	AGTGCAACAT	GACCAAGGAC	TGGTTCCTGG	TCCAGATGCT	GGCCAACTAC
2341	AACATCGGCT	ACCAGGGCTT	CTACATCCCA	GAGAGCTACA	AGGACAGGAT	GTACTCCTTC
2401	TTCAGGAACT	TCCAGCCCAT	GAGCCGGCAG	GTGGTGGACC	AAACCAAGTA	CAAGGACTAC
2461				AACTCGGGCT		
2521	ACCATGCGCG	AGGGACAGGC	CTACCCCGCC	AACTTCCCCT	ACCCGCTCAT	AGGCAAGACC
2581				CTCTGCGACC		
2641				CTCACGGACC		
2701				TTCGAGGTCG		
2761				GTGGTCCGGG		
2821				TTCTCGGCCG		
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NRVLDMASTY C V RVLDMASTY C V NRVLDMASTY C V NRVLDMA NRVLDMASTF NRVLDMASTF NRVLDMASTY NRVLDMASTF NRVLDMASTY NRVLDMASTF NRVLDMASTY NRVLDMASTY NRVLDMASTY NRVLDMASTY NRVLDMASTY NRVLDMASTY NRVLDMASTY KARFTLAVGD KVRYTLAVGD KVRYTLAVGD KVRYTLAVGD KVRYTLAVGD KVRYTLAVGD KARFTLAVGD KARFTLAVGD KARFTLAVGD KARFTLAVGD KVRYTLAVGD KVRYTLAVGD KVRYTLAVGD KVRYTLAVGD KARFTLAVGD KVRYTLAVGD KVRYTLAVGD KVRYTLAVGD KVRYTLAVGD KARFTLAVGD KVRYTLAVGD KVRYTLAVGD KVRYTLAVGD KVRYTLAVGD KVRYTLAVGD KVRYTLAVGD KVRYTLAVGD KVRYTLAVGD VDREDNTYSY SQRLTLRFVP VDREDNTYSY VDREDTAYSY SORLTLREVP VDREDNTYSY VDREDTAYSY SQRLTLRFIP VDREDTAYSY VDREDNTYSY VDREDTAYSY VDREDNTYSY VDREDNTYSY VDREDNTYSY SQRLMLRFVP VDREDNTYSY VDREDNTYSY VDREDTAYSY VDREDTAYSY VDREDNTYSY SQRLTLRFVP VDREDNTYSY SQRLMLRFVP VDREDNTYSY VDREDTAYSY SQRLTLRFVP VDREDNTYSY VDREDNTYSY SORLMLRFVP VDREDNTYSY VDREDNTYSY VDREDNTYSY VDREDNTYSY VDREDNTYSY SORLTLRFIP SORLMLRFVP SORLTLRFVP SQRLTLRFVP SORLTLRFIP SORLTLRFIP SQRLTLRFVP SQRLTLRFVP SQRLTLRFIP SQRLTLRFVP SQRLTLRFVP SORLTLRFIP SQRLMLRFVP SORLTLRFIP SORLTLREVP SORLTLRFVP SORLTLRFVP SORLTLRFVP SORLTLRFVP SQRLTLRFVP APTHDVTTDR LGNKFRNPTV APTHDVTTDR APTHDVTTDR APTHDVTTDR APTHDVTTDR APTHDVTTDR LGNKFRNPTV APTHDVTTDR LGNKFRNPTV APTHDVTTDR APTHDVTTDR LGNKFRNPTV APTHDVTTDR LSNKFRNPTV APTHDVTTDR FARATESYFS LSNKFRNPTV APTHDVTTDR LGNKFRNPTV APTHDVTTDR APTHDVTTDR APTHDVTTDR LGNKFRNPTV APTHDVTTDR APTHDVTTDR APTHDVTTDR APTHDVTTDR FARATESYFS LSNKFRNPTV APTHDVTTDR APTHDVTTDR APTHDVTTDR APTHDVTTDR APTHDVTTDR APTHDVTTDR FARATDTYFS LGNKFRNPTV APTHDVTTDR APTHDVTTDR FARATDIYFS LGNKFRNPTV APTHDVTTDR LGNKFRNPTV LGNKFRNPTV LGNKFRNPTV LGNKFRNPTV LGNKFRNPTV LSNKFRNPTV LSNKFRNPTV LSNKFRNPTV LGNKFRNPTV LGNKFRNPTV LSNKFRNPTV LGNKFRNPTV LGNKFRNPTV LGNKFRNPTV FARATDTYFS LGNKFRNPTV LGNKFRNPTV FARATDTYFS LGNKFRNPTV FARATDTYFS FARATDTYFS FARATDTYFS FARATESYFS FARATESYFS FARATDTYFS FARATDTYFN FARATDTYFS FARATDTYFS FARATDTYFN FARATDTYFS FARATDTYFS FARATDTYFN FARATDTYFS FARATDTYFS FARATESYFS FARATDTYFN FARATESYFS FARATDTYFS FARATESYFS FARATDTYFN FARATDTYFS SEYLSPGLVQ SEYLSPGLVQ SEYLSPGLVQ SEYLSPGLVQ SEYLSPGLVQ SEYLSPGLVQ SEYLSPGLVQ SEYLSPGLVQ SEYLSPGLVQ SEXLSPGLVQ SEYLSPGLVQ SEYLSPGLVQ SEYLSPGLVQ SEYLSPGLVQ SEYLSPGLVQ SEYL, SPGLVQ. SEYLSPGLVQ AYMHIAGODA AYMHIAGQDA SYMHISGODA AYMHIAGQDA AYMHIAGODA AYMHIAGQDA AYMHIAGQDA AYMHIAGQDA AYMHIAGQDA AYMHIAGQDA SYMHISGODA SYMHISGODA SYMHISGODA SYMHISGODA AYMHIAGQDA SYMHISGODA AYMHIAGQDA AYMHIAGQDA AYMHIAGODA AYMHIAGQDA AYMHIAGQDA SYMHISGODA AYMHIAGQDA AYMHIAGQDA AYMHIAGODA AYMHIAGQDA AYMHIAGQDA AYMHIAGODA MATPSMLPQW MATPSMLPQW MATPSMLPQW MATPSMLPQW MATPSMLPQW MATPSMLPQW MATPSMLPQW MATPSMLPQW MATPSMLPOW MATPSMLPQW MATPSMLPQW MATPSMMPQW MATPSMMPQW MATPSMMPQW MATPSMLPQW MATPSMLPQW MATPSMMPQW MATPSMLPQW MATPSMLPQW MATPSMLPQW MATPSMLPOW MATPSMLPQW MATPSMMPQW MATPSMMPQW MATPSMLPQW MATPSMLPQW MATPSMMPQW MATPSMLPOW CHAD5 CHAD8 CHAD3 CHAD4 CHAD6 CHAD7 PAN5 PAN6 CHAD9 CHAD10 CHAD11 CHAD16 CHAD19 CHAD22 CHAD24 CHAD26 CHAD38 PAN7 CHAD17 CHAD20 CHAD30 CHAD31 CHAD44 CHAD82 CHAD63 CHAD37

FIG. 31A

WO 2005/071093 P	CT/EP200	5/000558
CLI PDIRGVLDRG PSERVPISGSA NUSLAPKGAP NTSQMILDKGV TTIDNANTBNG DE. EDEVA ERGREERQAT VTFCRAAPVKA BA. EITKE. GILPIGLEAVES CRASS POLICYCULDRG PSERVPISGSA NUSLAPKGAP NUSCAPKTAGE BEGENATIVE THY TYPICAL PROGRAMMEN CHANGE BETTAGEN THY TYPICAL PROGRAMMEN CHANGE BETTAGEN THY TYPICAL PROGRAMMEN CHANGE CLAGGIDDAYA CHANGE PSERVPISCHA NUSLAPKGAP NUSCAPKTAGE BETTAGEN CHANGE BEDAGATEKTH HVTAGAPLEG E. KISTO. GLAGGIDDAYA CHANGE PSERVPISCHA NUSLAPKGAP NUSCAPKTAGE BETTAGEN CHANGE CHANGE POLICYCLARGE PSERVPISCHA NUSLAPKGAP NUSCAPKTAGE BETTAGEN PSERVPISCHA NUSLAPKGAP NUSCAPKTAGE BE ENDAGGA BERDAGGA BERDAGA BERDAGGA BERDAGGA BERDAGGA BERDAGGA BERDAGA BERDA		31R

FIG. 31B

WO 2005/071093		PCT/EP2005/000558
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GKV EYDIDMMFFD LRSQK TTK EYDIDMAFFD NRSAAA GQL ESQVEMQFFS TSENARN VK SFDIDLAFFD IPNSGAGNG. GTT EPDIDMAFFD DRSQQA VK SFDIDLAFFD IPNSGAGNG. GTT EPDIDMAFFD DRSQQA GTT EPDIDMAFFD RRSKQ GTT EPDIDMAFFD TRSGAGNG. GTT EPDIDMAFFD RRSKQ GTK EYDIDMAFFD RRSKQ GTK EYDIDMAFFD TRSGAGNG GTK EYDIDMAFFD TRSGAGNG GTK EYDIDMAFFD TRSGAGNG GTK EYDIDMAFFD TRGGTVTGG. GQT EYDIDMAFFD TRGGTVTGG. LQKK ESQVEMQFFS TTQAAAG CKK ESQVEMQFFS TTQAAAG TKK ESQVEMQFFS TTQAAAG GVY SFYDIDMAFFD DRGATEA GVY SFYDIDMAFFD BTTINT GTT EPDIDMNFFD GRDAAA GTT EPDIDMAFFD SKNIAAN GTT EPDIDMAFFD SKNIAAN GTT EPDIDMAFFD SKNIAAAN	
SFAKPTNVKG GQAKVKKVEE C STAKPTNVKG GQANVKTGTG T SFARPTNVKG GQAKIKTDGD SFARPTNVKG GQAKIKTDGD SFAKPTNVKG GQAKIKTDGD SFAKPTNVKG GQAKIKTDGD SFAKPTNVKG GQAKIKTDGD GYARPTNKTG GQAKIKTDGD GYARPTNKTG GQAKIKYDGD GYARPTNANG GQCVLAANAQ GYARPTNANG GQCVLAANAQ GYARPTNANG GQCVLAANAQ GYARPTNNKG GQAKIKVGAD SYARPTNNKG GQAKIKVAAD GYARPTNNKG GQAKTRKYAA VSYARPTNNKG GQAKTRKYAA GYARPTNNKG GQAKTRKIEK HSFARPTNNKG GQAKVKTEEN SFARPTNNKG GQAKVKTEEN SFARPTNKEG GQANVKTETG GSYARPTNKEG GQANVKTETG GSYARPTNKEG GQANVKTETG GSYARPTNKEG GQANVKTETG GSYANVKTETG GSYANVKTETG GSYANVKTETG GSYANVKTETG G	
DEKYGGRALK PETKMKPCYG SI TVAGGRALK KSTPMKPCYG SI SYYGGRALK KDTKMKPCYG SI SYYGGRALK KDTKMKPCYG SI EDKYGGRALK KDTKMKPCYG SI SYYGGRALK PATNMKPCYG SI TEQYGGRALK PATNMKPCYG SI TEQYGGRALK PATNMKPCYG SI TYAGGRALK KTTPMKPCYG SI TYAGGRALK KTTPMKPCYG SI TVAGGRALK KTTPMKPCYG SI TVAGGRALK KTTLMKPCYG SI TVAGGRALK KTTLMKPCYG SI SYGGRALK KTTLMKPCYG SI TVAGGRALK KTTLMKPCYG SI TVAGGRALK KTTLMKPCYG SI SYGGRALK KTTLMKPCYG SI TYAGGRALK KTTLMKPCYG SI NEKYGGRALK KDTKMKPCYG SI NEKYGGRALK KDTKMKPCYG SI TVAGGRALK KDTKMKPCYG SI BEKYGGRALK KDTKMKPCYG SI DEYGGRALK KDTKMKPCYG SI DEYGGRALK KDTKMKPCYG SI DEYGGRALK KDTKMKPCYG SI DEKYGGRALK PDTKMKPCYG SI DEKYGGRALK FDTKMKPCYG SI DEKYGGRALK FDTKMKPCYG SI DEKYGGRALK FDTKMKPCYG SI	
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85/101 TELSYQLLLD NAVVDLQDRN TELSYQLLLD TELSYQLLLD YIGFRDNFIG LMYYNSTGNM GVLAGQASQL NAVVDLQDRN TELSYQLLLD TELSYQLLLD TELSYQLLLD TELSYQLLLD TELSYOLLLD TELSYOLLLD TELSYOLLLD TELSYQLLLD TELSYQLLLE NAVVDLQDRN NAVVDLODRN NAVVDLQDRN NAVVDLQDRN NAVVDLQDRN NAVVDLQDRN NAVVDLQDRN NAVVDLQDRN NAVVDLQDRN NAVVDLODRN NAVVDLODRN NAVVDLQDRN GVLAGQASQL LMYYNSTGNM LMYYNSTGNM LMYYNSTGNM LMYYNSTGNM LMYYNSTGNM LMYYNSTGNM GOOSMPNRPN YIGFRDNFIG LMYYNSTGNM GOOSMPNRPN YIGFRDNFIG LMYYNSTGNM YIGFRDNFIG LMFYNSTGNM GOOAMPNRPN YIGFRDNFIG LMYYNSTGNM LMYYNSTGNM LMYYNSTGNM LMYYNSTGNM LMYYNSTGNM YIGFRDNFIG LMYYNSTGNM LMYYNSTGNM YIGFRDNFIG YIGFRDNFIG YIGFRDNFIG YIGFRDNFIG YIGFRDNFVG YIGFRDNFIG GQQAMPNRPN GQQSMPNRPN CQQSMPNRPN GQQAMPNRPN GQQSMPNRPN GOQAMPNRPN GOOAMPNRPN AQQAMPNRPN GQQŞMPNRPN GQQSMPNRPN GQQSMPNRPN CQQSMPNRPN COOSMPNRPN VQQSMPNRPN GOOSMPNRPN GQQSMPNRPN GQQAMPNRPN GOOSMPNRPN GOOAMPNRPN CQQAMPNRPN GQQAMPNRPN CQQAMPNRPN GOOAMPNRPN GOOSMPNRPN VQQSMPNRPN TDDSSSSINE KSDDNSKIML TSDDSSKVNL TSDDSSKVNL TDETSSSFNL TSDDSSEVNL TDDSSSSINL TDDSSSSINL KSDDNSKVML KDNTSSKINL KSDDNSKIML KSDDNSKVML NNETNSRELL TSEESSHANL NNETNSRELL TSDDSSKANL TSDINSHEND KSDDNSKIML TDETSSSVNL PDTHIVYKPG TSDVSSHVNL TSDDSSEVNL TSDDSSEANL TSDESSEANL TDDSSSSINL KDDASSEINL PDTHIVYKAG TDDSSSSINL TDETSSSTNL PDTHLSYKPA PDTHIVYKAG PDTHLSYKPA PDTHVVYKPG PDTHIVYKPG PDTHVVYKPG PDTHISYKPT PDTHIVYKPG PDTHIVYKAG PDTHIVYKAG PDTHVVYKPG PDTHWVYKPG PDTHIVYKAG PDTHIVYKPG PDTHIVYKPG PDTHIIYKPG PDTHIVYKPG PDTHIVYKPG PDTHIVYKAG PDTHLSYKPT PDTHVVYKPG PDTHISYKPT PDTHISYMPT PDTHISYMPT PDTHIVYKPG PDTHIVFKPG LYSEDVHMET MYTENTYLET LYTENVDLET MYTENVNLET LYTENVDLDT LYSENVNLET LYTENVDLET LYTENVDLET LYSEDVHMET MYTENTYLET MYAENVDLET MYTENVNLET LYAENVNLET LYSENVNLET LYAENVDLET LYAENVDLQT MYTENVELQT LYTENVDLET LYTENVDLET LYSEDVHMET MYTENVNLET MYTENVNLET LYSEDVHMET LYSEDVHMET LYSEDVNLET LYSEDVNLET MYTENVNLET MYAENVDLET ...NFTPEVV GQDEYKADIV NSDNPTPKVV ...NFSPKIV TNVNDKPDMV EGNDTKPKVV ...NFDPKIVPDVV EGNDTKPKVV ... MMAPEVV TNVNDKPDMVYDPDIV PNVNDDPDMV .. AGLTPEIV EANNIOPKLV TEEYKADIV ETWNIQPKLV NSDNPTPKLV ... GLAPEIV ... GLAPEIV .. AGLAPEIV VMCGCCNVNC ... SFSPELV INVNUDDPDMV ... GYDPQIV . AGLAPEIV PAN6 CHAD4 CHAD5 CHAD6 CHAD7 CHAD8 PAN5 PAN7 CHAD9 CHAD10 CHAD16 CHAD17 CHAD19 CHAD20 CHAD24 CHAD26 CHAD30 CHAD31 CHAD38 CHAD82 CHAD63 CHAD22 CHAD44 CHAD11 CHAD37

86/101
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TWKDL. DPNG WTKDD. SVND WTKDE. TFAD WETDS. TVSS WETDS. TVSS WETDS. TVSS WETDS. TVSS WEKDT. SVNN WTKDE. SVND WTKDE. SVND WTKDE. TFAE WEKDD. TVAA WTKDE. TFAE WEKDD. TVAA WTKDE. TFAE WEKDD. TVAA WEKDS. EFSD WEKDS. EFSD WEKDS. EFSD WEKDS. EFSD WEKDT. GVSS WEGDT. GVSS WEGDT. GVSS WEKDT. SVST WEKDT. SVST WEKDT. SVST WEKDT. SVST WEKDT. SVST WEKDT. SVST WEKDT. TVAA WEKDT. GVSS WEKDT. GVSS WEKDT. SVST WEKDT. TVAA
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87/101 HIQVPQKFFA HIQVPOKFFA HIQVPQKFFA HIQVPQKFFA HIOVPOKFFA HIQVPQKFFA HIQVPQKFFA HIQVPQKFFA HIQVPQKIFA HIQVPQKFFA LLGNGRYVPF LLGNGRFVPF LLGNGRYVPF LLGNGRYVPF LLGNGRYVPF LLGNGRYVPF LLGNGRYVPF LLGNGRYVPF LLGNGRYVPF LLGNGRYVPF RNAGLRYRSM MDNVNPFNHH MONVNPFNHH MDNVNPFNHH MDNVNPFNHH NIGARWSLDA NIGARWSLDP NIGARWSLDP NIGARWSLDP NIGARWSLDP NIGARWSLDP NIGARWSLDP NIGARWSLDP NIGARWSLDP NLGARWSLDY NIGARWSLDP NIGARWSLDP NIGARWSLDL NIGARWSLDP NIGARWSLDP NLGARWSLDY NIGARWSLDL NLGARWSLDY NLGARWSLDY NLGARWSLDY NIGARWSLDA NLGARWSLDY NIGARWSLDP NIGARWSLDP NIGARWSLDP NIGARWSLDP NIGARWSLDP NLGARWSLDY NTYDYMNGRV VPPSLVDTYV VPPSLVDAYI VAPSLVDAYI NTYDYMNGRV VAPSLVDAYI NTYDYMNGRV TPPSLVDAYL VAPSLVDSYI VAPGLVDCYI VPPSLVDAYI VPPSLVDAYI VSPSLVDSYL VAPSLVDAYI VAPGLVDCYI VPPSLVDAYI VAPGLVDCYI VAPGLVDCYI VAPGLVDCYI VPPSLVDTYV VAPGLVDCYI VPPSLVDAYI VAPSLVDSYI VAPGLVDCYI VSPSLVDSYI VAPSLVDAYI VPPSLVDAYI VPPSLVDAYI VAPSLVDAYI NTYDYMNGRV VAPSLVDAYI NTYDYMNGRV VAPSLVDAYI NTYDYMNGRV NTYDYMNKRV NTYDYMNGRV NTYDYMNGRV NTYDYMNGRV NTYGYINGRV NTYDYMNGRV NTYDYMNKRV NTYDYMNGRV NSYDYMNKRV NTYDYMNGRV NTYEYMNGRV NTYDYMNKRV NTYDYMNGRV NTYDYMNGRV NTYDYMNGRV NTYDYMNKRV NTYDYMNKRV NSYDYMNKRV NTYGYINGRV NTYDYMNGRV NTYDYMNGRV NTYDYMNGRV PSNVDISDNP PANITLPINT PANITLPINT PANITLPANT PANITLPINT PANVTLPDNK PANITLPANT PANITLPINT PSNVDISDNP PANITLPINT PSNVDISDNP PSNVDISDNP PANVTLPINT PSNVQISNNP PANITLPINT PSNVDISDNP PANVTLPENK PANVTLPTNT PANITLPINT PTNVTLPTNT PTWVTLPENK PANVTLPTNT PSNVQISNNP PANITLPANT PANVTLPTNT PANITLPTNT PANITLPINT PANITLPINT LYLPDSYKYT LYLPDSYKYT LYLPDSYKYT LYLPDSYKYT LYLPDSYKYT LYLPDGYKYT LYLPDSYKYT LYLPDSYKYT LYLPDSYKYT LYLPDKLKYN LYLPDSYKYT LYLPDKLKYN LYLPDSYKYT LYLPDKLKYN LYLPDKLKYN LYLPDKLKYT LYLPDSYKYT LYLPDKLKYT LYLPDSYKYT LYLPDAYKYT LYLPDKLKYN LYLPDGYKYT LYLPDSYKYT LYLPDSYKYT LYLPDSYKYT LYLPDSYKYT WRNFLYANVA LYLPDSYKYT LYLPDSYKYT WRNFLYSNVA WRSFLYSNVA WRSFLYSNVA WRSFLYSNVA WRSFLYSNVA WRSFLYSNVA WRSFLYSNVA WRSFLYSNVA WRSFLYSNVA WRNFLYANVA WRNFLYSNVA WRSFLYSNVA WRNFLYSNVA WRNFLYSNVA WRNFLYSNVA WRSFLYSNVA WRNFLYSNVA WRSFLYSNVA WRNFLYANVA WRSFLYSNVA WRNFLYANVA WRNFLYSNVA WRNFLYANVA WRNFLYANVA WRSFLYSNVA MRNFLYANVA WRNFLYANVA CHAD4 CHAD6 CHAD8 PAN5 PAN6 CHAD5 CHAD7 HAD10 CHAD16 CHAD19 CHAD20 PAN7 CHAD9 CHAD11 CHAD17 CHAD24 CHAD26 CHAD31 CHAD37 CHAD38 CHAD44 CHAD22 CHAD30 CHAD82 CHAD63

FIG. 31F

98/10/21/21/28 NATINVPISIPO NATNVPISIP NATNVPISIP NATWVPISIP NATNVPISIP NATINVPISIP NATIVPISIP NDQSFNDYLS AANMLYPIPA NATNVPISIP NATNVPISIP NDQSFNDYLS AANMLYPIPA NATNVPISIP NATNIPISIP NATWVPISIP NATNIPISIP NATNVPISIP NATINVPISIP TLEAMLRNDT NDQSFNDYLS AANMLYPIPA NATNVPISIP NATNVPISIP NATNVPISIP NATNVPISIP NATNVPISIP NATNIPISIP NATWVPISIP NATINVELSIP NATWVPISIP NATNVPISIP NDQSFNDYLS AANMLYPIPA AANMLYPIPA NDQSFNDYLS AANMLYPIPA NDQSFNDYLS AANMLYPIPA AANMLYPIPA AANMLYPIPA AANMLYPIPA NDQSFNDYLS AANMLYPIPA NDQSFNDYLS AANMLYPIPA NDQSFNDYLS AANMLYPIPA NDQSFNDYLS AANMLYPIPA NDQSFNDYLS AANMLYPIPA NDQSFNDYLS AANMLYPIPA NDOSFNDYLS AANMLYPIPA NDQSFNDYLS AANMLYPIPA TLEAMLRNDT NDQSFNDYLS AANMLYPIPA NDOSFNDYLS AANMLYPIPA NDQSFNDYLS AANMLYPIPA AANMLYPIPA AANMLYPIPA AANMLYPIPA TLEAMLRNDT NDQSFNDYLS AANMLYPIPA AANMLYPIPA AANMLYPIPA NDOSFNDYLS NDQSFNDYLS NDQSFNDYLS NDQSFNDYLS NDQSFNDYLS NDQSFNDYLS TLEAMLRNDT NDOSFNDYLS NDQSFNDYLS NDQSFNDYLS NDOSFNDYLS TLEAMLRNDT FFPMAHNTAS SFTSINLYAT SFTSINLYAT AFTSINLYAT SFTSINLYAT AFTSINLYAT AFTSINLYAT KFESICLYAT KFESICLYAT KFESICLYAT SFTSINLYAT KFESICLYAT SFTSINLYAT KFESICLYAT SFTSINLYAT SFTSINLYAT SFTSINLYAT AFTSINLYAT SFTSINLYAT KFESICLYAT SFTSINLYAT SFTSINLYAT SFTSINLYAT KFESICLYAT SFTSINLYAT SFTSINLYAT AFTSINLYAT AFTSINLYAT AFTSIŅLYAT VNMILQSSLG NDLRTDGASI YTYEWNFRKD VNMILQSSLG NDLRTDGASI YTYEWNFRKD VNMVLQSSLG NDLRVDGASI VNMVLQSSLG NDLRVDGASI NDLRTDGASI YTYEWNFRKD VNMILQSSLG NDLRTDGASI YTYEWNFRKD VNMILQSSLG NDLRTDGASI NDLRVDGASI NDLRTDGASI NDLRTDGASI VNMILQSSLG NDLRTDGASI VNMVLQSSLG NDLRTDGASI VNMILQSSLG NDLRTDGASI YTYEWNFRKD VNMVLQSSLG NDLRVDGASI NDLRVDGASI VNMVLQSSLG NDLRVDGASI NDLRVDGASI YTYEWNFRKD VNMILQSSLG NDLRTDGASI VNMVLQSSLG NDLRTDGASI YTYEWNFRKD VNMVLQSSLG NDLRVDGASI YTYEWNFRKD VNMVLQSSLG NDLRTDGASI VNMILQSSLG NDLRTDGASI NDLRTDGASI NDLRTDGASI NDLRTDGASI YTYEWNFRKD VNMVLQSSLG NDLRVDGASI NDLRTDGASI NDLRTDGASI VINMILQSSLG VINMILQSSLG VINMILQSSLG VINMVLQSSLG VINITLOSSLG YTYEWNFRKD VNMILQSSLG VINMILQSSLG VINMILQSSLG VNMVLQSSLG VINMILQSSLG VNIMVLQSSLG YTYEWNFRKD IKSLLLLPGS IKSLLLLPGS VKNLLLLPGS IKSLLLLPGS IKNLLLLPGS IKSLLLLPGS IKSLLLLPGS IKSLLLLPGS CKSLLLLPGS IKSLLLLPGS IKNLLLLPGS IKSLLLLPGS IKNLLLLPGS IKNLLLLPGS VKNLLLLPGS IKNLLLLPGS IKSLLLLPGS IKNLLLLPGS IKNLLLLPGS VKNLLLLPGS IKSLLLLPGS IKSLLLLPGS CKSLLLLPGS IKSLLLLPGS IKSLLLLPGS IKNLLLLPGS IKNLLLLPGS IKSLLLLPGS CHAD6 CHAD8 CHAD4 CHAD5 PAN5 PAN6 CHAD7 CHAD9 CHAD10 CHAD16 CHAD17 CHAD19 CHAD20 CHAD26 CHAD38 CHAD11 CHAD22 CHAD24 CHAD30 CHAD31 CHAD37 CHAD44 CHAD82 CHAD63 PAN7

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CHATKDWELV CHATKDWELV 68
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FIG. 31H

VTOKKFLCDR

PLIGTTAVTS

GOAYPANYPY

VGYMAPTMRO

VPYQHNNSGF

INYKDYKAVA

OPMSROVVDE

DRMYSFFRNF

OGFYVPEGYK

IJ

90/101 ITOKKFLCDR ITOKKFLCDR VTQKKFLCDR VTQKKFLCDR VTQKKFLCDR VTQKKFLCDR VTQKKFLCDR VTOKKFLCDR PLIGKSAVAS VTOKKFLCDR VTQKKFLCDR VTQKKFLCDR VTQKKFLCDR ITOKKFLCDR VTOKKFLCDR ITOKKFLCDR VTHKKFLCDR ITQKKFLCDR VTQKKFLCDR VTQKKFLCDR VTQKKFLCDR VTQKKFLCDR ITQKKFLCDR VTQKKFLCDR PLIGKSAVTS PLIGKSAVTS PLIGKSAVTS PLIGKTAVDS PLIGKSAVTS PLIGKTAVDS PLIGKSAVAS PLIGKSAVAS PLIGKSAVAS PLIGKSAVAS PLIGKTAVDS PLIGKSAVAS PLIGKTAVDS PLIGKTAVDS PLIGTTAVTS PLIGTTAVKS PLIGTTAVTS PLIGKSAVAS PLIGKSAVTS PLIGTTAVTS PLIGKTAVDS PLIGKSAVTS PLIGKSAVTS GOPYPANYPY GQPYPANYPY GOPYPANYPY GQPYPANYPY GOPYPANYPY GQPYPANYPY GQPYPANYPY GQPYPANYPY GQAYPANFPY GQPYPANYPY GOPYPANYPY GQPYPANYPY GQAYPANFPY GQAYPANFPY GQAYPANFPY GQAYPANFPY GOAYPANYPY GQPYPANYPY GEPYPANYPY GOPYPANYPY GQPYPANYPY GQPYPANYPY GQPYPANYPY GQPYPANYPY GOPYPANYPY GOAYPANFPY GOAYPANFPY VGYLAPTMRE VGYLAPTMRQ VGYLAPTMRE VGYHAPTLRQ VNYKDYQAVT LAYQHNNSGF VGYLAPTMRQ VGYLAPTMRQ VGYLAPTMRQ VGYLAPTMRQ VGYLAPTMRQ VGYLAPTMRQ VGYLAPTMRE VGYLAPTMRQ VGYLAPTMRE VGYLAPTMRE VGYMAPTWRQ VGYLAPTMRE VGYLAPTMRQ VNYKDYQAVT LAYQHNNSGF VGYLAPTMRQ VGYLAPTMRQ VGYLAPTMRQ VGYLAPTMRE VGYHAPTLRQ VGYLAPTMRQ VGYLAPTMRQ VGYLAPTMRQ VGYLAPTMRQ VGYLAPTMRQ LAYQHNNSGF LAYOHNNSGF LAYOHNNSGF LAYQHNNSGF LAYQHNNSGF LAYQHNNSGF IIHQHNNSGF IIHQHNNSGF IIHQHNNSGF VPYQHNNSGF LAYQHNNSGF IIHQHNNSGF LAYQHNNSGF LAYQHNNSGF LAYQHNNSGF LAYQHNNSGF LAYQHNNSGF IIHQHNNSGF IIHQHNNSGF LAYQHNNSGF LAYOHNNSGF LAYQHNNSGF LAYOHNNSGF TKYKDYQEVG VNYKDYQAVT VNYKDYQAVT VNYKDYQAVT TKYKDYQEVG VNYKDYQAVT QPMSRQVVDE VNYKDYQAVT QPMSRQVVDQ TKYKDYQEVG INYKDYKAVA VNYKDYQAVT VNYKDYQAVT OPMSRQVVDE VNYKDYQAVT QPMSRQVVDE VNYKDYQAVT QPMSRQVVDQ TKYKDYQEVG QPMSRQVVDQ TKYKDYQEVG VNYKDYQAVT VNYKEYQAVT TKYKDYQEVG INYKEYQAVT VNYKDYQAVT TKYKDYOEVG VNYKDYQAVT VNYKDYQAVT VNYKEYQAVT QPMSRQVVDE VNYKDYQAVT QPMSRQVVDE QPMSRQVVDQ OPMSROVVDE QPMSRQVVDQ QPMSRQVVDE OPMSRQVVDE QPMSRQVVDQ QPMSRQVVDE QPMSRQVVDE QPMSRQVVDE OPMSROWDE OPMSROVVDE OPMSRQVVDE QPMSRQVVDE QPMSRQVVDE QPMSRQVVDE QPMSRQVVDE OPMSRQVVDQ QPMSRQVVDE DRMYSFFRNF QGFYVPEGYK QGFYVPEGYK QGFYIPESYK QGFYIPESYK QGFYVPEGYK QGFYIPESYK QGFYIPEGYK QGFYVPEGYK QGFYVPEGYK QGFYVPEGYK QGFYVPEGYK QGFYVPEGYK QGFYVPEGYK QGFYVPEGYK QGFYIPESYK OGFYIPESYK QGFYVPEGYK QGFYIPEGYK QGFYIPESYK OGFYVPEGYK QGFYVPEGYK QGFYIPEGYK QGFYVPEGYK OGFYVPEGYK OGFYIPESYK DMLANYNIGY DMLAHYNIGY **DMLAHYNIGY** MLAHYNIGY MLANYNIGY DMLANYNIGY DMLAHYNIGY MLANYNIGY **JMLAHYNIGY**)MLAHYNIGY MLAHYNIGY MLAHYNIGY DMLAHYNIGY MLAHYNIGY MLAHYNIGY MLAHYNIGY **DMLANYNIGY** MLAHYNIGY **DMLANYNIGY OMLANYNIGY** MLANYNIGY MLANYNIGY MLAHYNIGY MLAHYNIGY MLAHYNIGY MLANYNIGY PAN6 CHAD19 PAN5 CHAD7 CHAD8 CHAD10 CHAD16 CHAD17 CHAD20 CHAD24 CHAD26 CHAD30 CHAD38 CHAD44 PAN7 CV68 CHAD5 CHAD6 CHAD9 CHAD22 CHAD37 CHAD82 CHAD4 CHAD31 CHAD63 CHAD11 CHAD3

FIG. 311

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NATT VYLRTPFSAG HOPHRGVIEA HQPHRGVIEA HQPHRGVIET HQPHRGVIET HOPHRGVIET HQPHRGVIET HOPHRGVIEA HOPHRGVIET HQPHRGVIET HQPHRGVIEA HOPHRGVIEA HQPHRGVIEA HOPHRGVIEA HOPHRGVIET HQPHRGVIEA HOPHRGVIEA HQPHRGVIEA HOPHRGVIEA HOPHRGVIEA HQPHRGVIEA HOPHRGVIEA HOPHRGVIEA HQPHRGVIEA HOPHRGVIEA HOPHRGVIEA HOPHRGVIEA VFEVFDVVRV VFEVFDVVRV LFEVFDWRV VFEVFDVVRV LFEVFDVVRV LFEVFDVVRV LFEVFDVVRV LFEVFDVVRV LFEVFDVVRV LFEVFDVVRA LFEVFDVVRV VFEVEDVVRV VFEVFDVVRV VFEVFDVVRV PMDESTLLYV VFEVFDVVRV LFEVFDVVRV VEEVEDVVRV LFEVFDVVRV VFEVFDVVRV LFEVFDVVRV VFEVFDVVRV VFEVFDVVRV LFEVFDVVRV VFEVFDVVRV VFEVFDVVRV VFEVFDVVRV VFEVFDVVRV PMDESTLLYV PMDESTLLYV PMDEPTLLYV PMDESTLLYV PMDEPTLLYL PMDEPTLLYL PMDEPTLLYV PMDESTILLYV PMDESTLLYV PMDESTLLYV PMDESTLLYV PMDESTLLYV PMDESTLLYV PMDESTLLYV PMDESTLLYV PMDEPTLLYV PMDEPTLLYV PMDEPTLLYV PMDESTLLYV PMDEPTLLYV PMDEPTLLYL PMDESTLLYV PMDEPTLLYV PMDESTLLYV PMDEPTLLYL PMDESTLLYV PMDEPTLLYL HALDMTFEVD HALDMNFEVD HALDMTFEVD HALDMTFEVD GONMLYANSA HALDMNFEVD HALDMNFEVD HALDMTFEVD HALDMNFEVD HALDMNFEVD HALDMNFEVD HALDMNFEVD HALDMTFEVD HALDMNFEVD HALDMNFEVD HALDMTFEVD HALDMTFEVD HALDMTFEVD HALDMNFEVD HALDMTFEVD HALDMTFEVD HALDMTFEVD HALDMNFEVD HALDMNFEVD HALDMNFEVD HALDMNFEVD HALDMNFEVD HALDMNFEVD HALDMTFEVD GONLLYANSA GONMLYANSA GONMLYANSA GONMLYANSA GONMLYANSA GONMLYANSA GONMLYANSA GONLLYANSA GONMLYANSA GONLLYANSA GONLLYANSA GONLLYANSA GONLLYANSA GONMLYANSA GONMLYANSS GONLLYANSA GONMLYANSA GONMLYANSA GONMLYANSA GONMLYANSA GONMLYANSA GONLLYANSA GONMLYANSA GONMLYANSA GONMLYANSA GONMLYANSA GONLLYANSA FMSMGALTDL FMSMGALSDL FMSMGALTDL FMSMGALTDL FMSMGALTDL FMSMGALTDL FMSMGALTDL FMSMGALTDL FMSMGALTDL FMSMGALTDL FMSMGALSDL FMSMGALTDL FMSMGALTDL FMSMGALTDL FMSMGALTDL FMSMGALSDL FMSMGALTDL FMSMGALTDL FMSMGALTDL FMSMGALSDL FMSMGALTDL FMSMGALTDL FMSMGALTDL FMSMGALTDL FMSMGALTDL FMSMGALTDL TMWRIPESSN AMWRIPESSN TLWRIPFSSN MWRIPFSSN MWRIPFSSN MWRIPFSSN VMWRIPFSSN TMWRIPFSSN VMWRIPFSSN VMWRIPFSSN TLWRIPFSSN VMWRIPFSSN TLWRIPFSSN TLWRIPFSSN TLWRIPESSN IMWRIPFSSN TLWRIPFSSN VMWRIPFSSN PMWRIPFSSN TLWRIPFSSN IMWRIPFSSN VMWRIPFSSN MWRIPFSSN MWRIPFSSN VMWRIPESSN MWRIPFSSN VMWRIPFSSN MWRIPFSSN CHAD5 CHAD6 CHAD7 PAN6 CHAD4 CHAD9 CHAD10 CHAD16 CHAD19 CHAD38 PAN5 CHAD8 CHAD17 CHAD20 CHAD24 CHAD26 CHAD30 CHAD22 CHAD44 PAN7 CHAD11 CHAD31 CHAD37 CHAD82 CHAD63

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ATGGAATTCGTTTAAACCATCATCAATAATATACCTC (SEQ ID NO: 27)

CGCTGGCACTCAAGAGTGGCCTC (SEQ ID NO: 28)

ATGAAGCTTGTTTAAACCCATCATCAATAATATACCT (SEQ ID NO: 29)

ATCTAGACAGCGTCCATAGCTTACCG (SEQ ID NO: 30)

TAGGCGCGCCCTTCTCCTCGTTCAGGCTGGCG (SEQ ID NO: 32)

GATCTAGTTAAACGAATTCGGATCTGCGACGCG (SEQ ID NO: 33)

TTCGATCATGTTTAAACGAAATTAAGAATTCGGATCC (SEQ ID NO: 34)

TATTCTGCGATCGCTGAGGTGGGTGAGTGGGCG (SEQ ID NO: 35)

TAGGCGCGCCCTTAAACGGCATTTGTGGGAG (SEQ ID NO: 36)

CGTCTAGAAGACCCGAGTCTTACCAGT (SEQ ID NO: 37)

CGGGATCCGTTTAAACCATCATCAATAATATACCTTATT (SEQ ID NO: 38)

ATGGAATTCGTTTAAACCATCATCAATAATATACCTT (SEQ ID NO: 39)

ATGACGCGATCGCTGATATCCTATAATAATAAAACGCAGACTTTG (SEQ ID NO: 40)

TGTCCTACCARCTCTTGCTTGA (SEQ ID NO: 45)

GTGGAARGCCACGTAGCG (SEQ ID NO: 46)

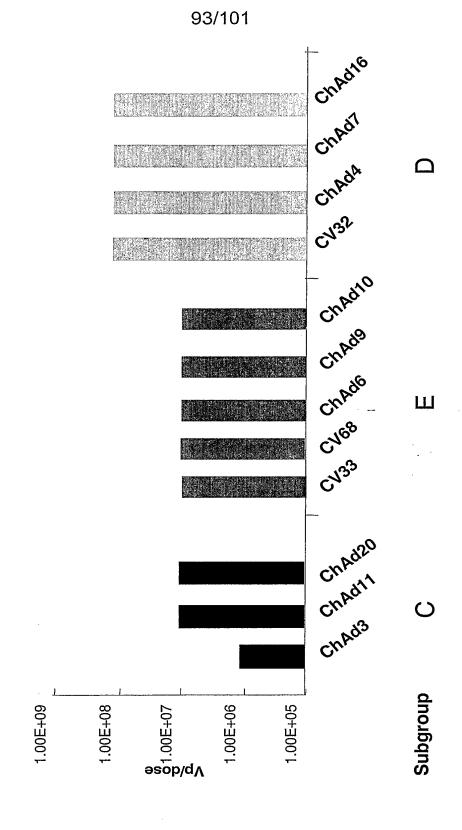


FIG. 33

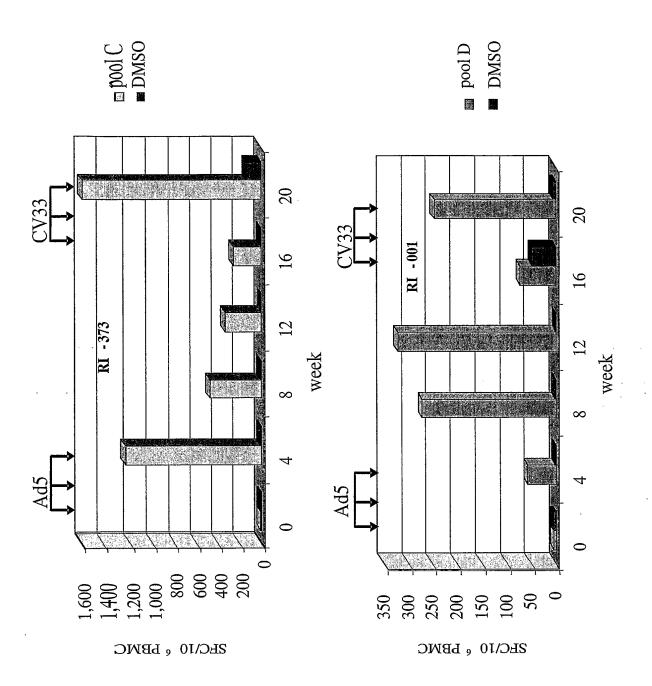


FIG. 34

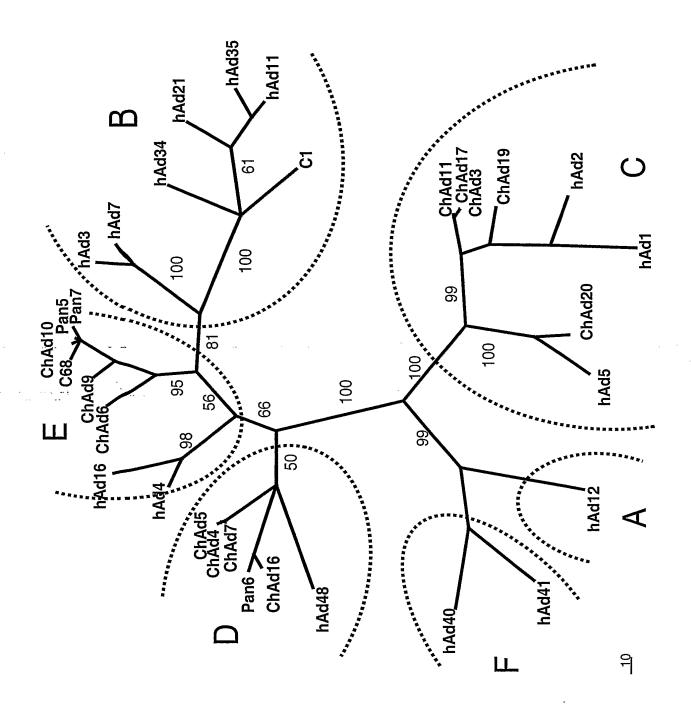
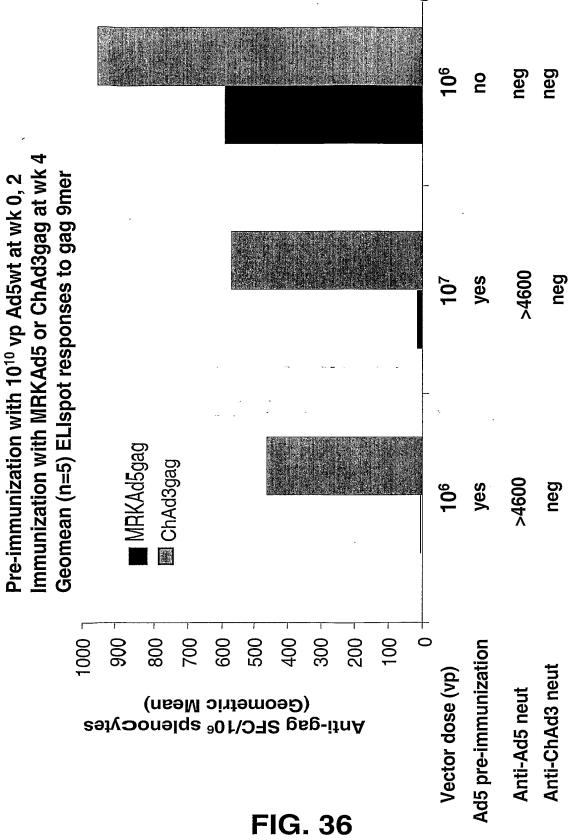


FIG. 35





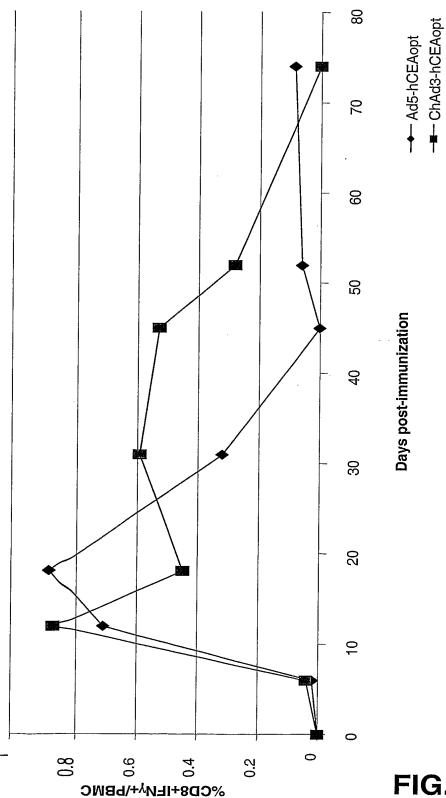


FIG. 37

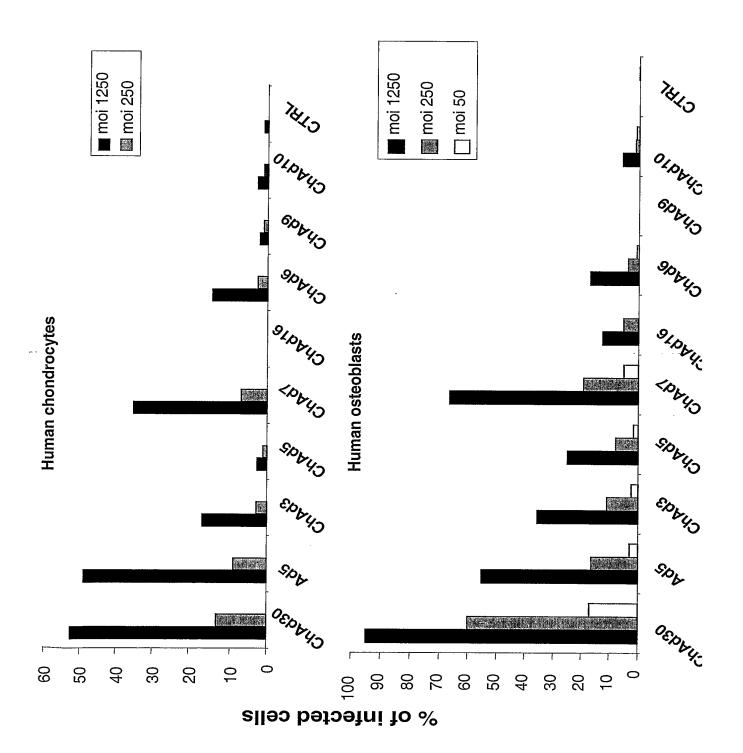
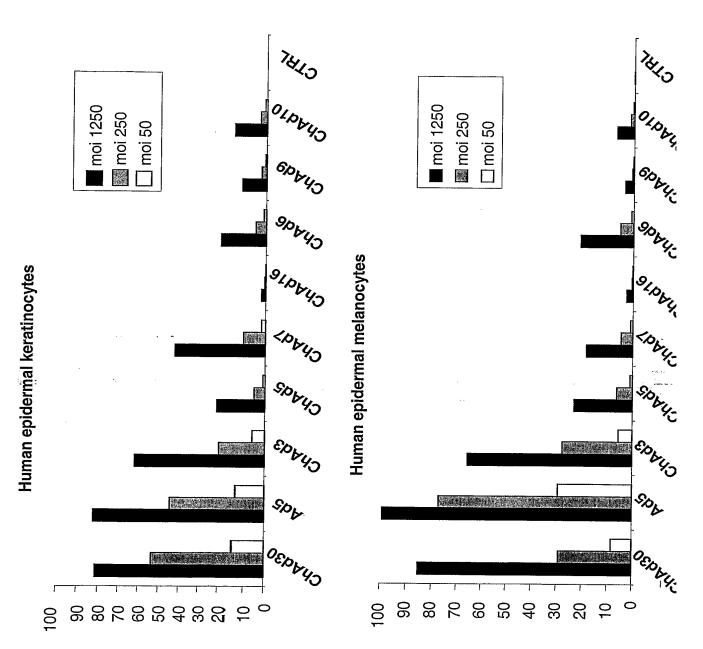


FIG. 38A



% of infected cells

FIG. 38B

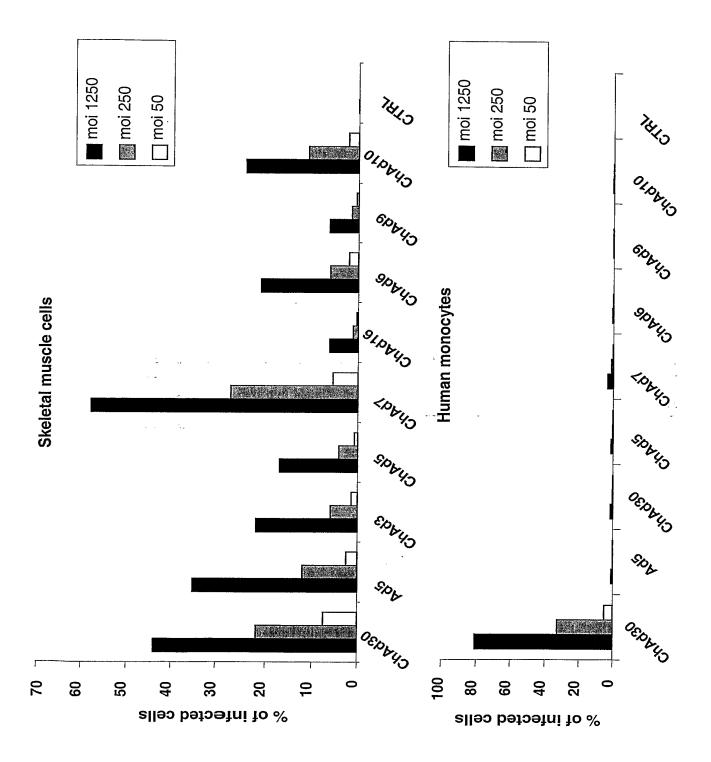


FIG. 38C

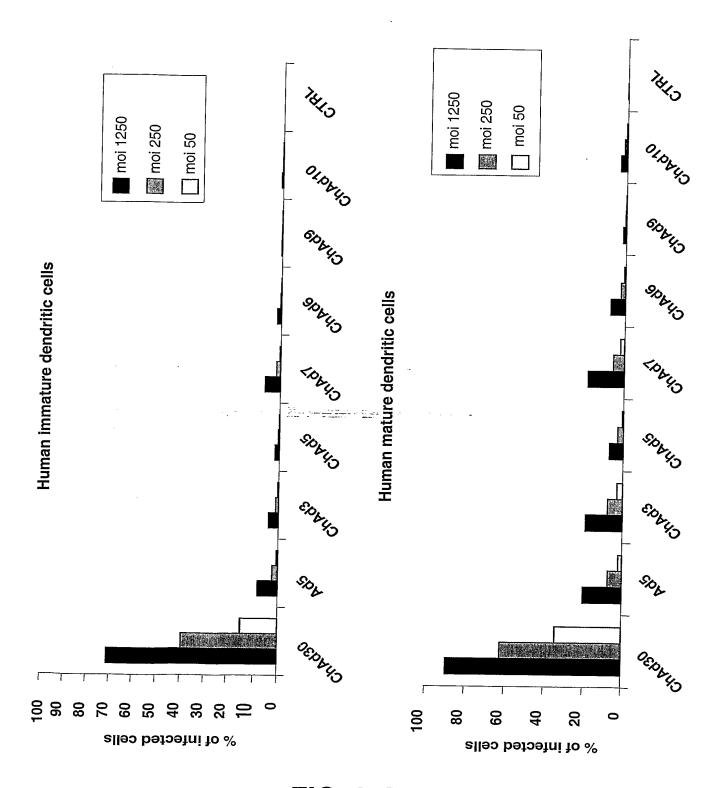


FIG. 38D